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Connection (Connection)

Properties

ConnectionString – Connection string

BSTR ConnectionString

C++ Type	VB Type	R/W	Value range	Description
BSTR	String	Read-Only	valid strings	Defines connection device, protocol etc.

Returns the ConnectionString for the current connection. All characters of this string are always upper case. If the string is not empty (length ≠ 0) the connection does exist. On disconnection the string is reset to 0 length.

LibraryVersion – Version number

BSTR LibraryVersion

C++ Type	VB Type	R/W	Value range	Description
BSTR	String	Read-Only	#. #. #. # where # is a number 0...9999	Version of this program library

Returns the version of the program library that is used.

## Connect – Establish connection to FM

Connect (ConnectionString)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
ConnectionString	BSTR	String	In	valid strings	Defines connection device, protocol etc.

**Establishes connection to the FM and loads all properties.**

ConnectionString contains the necessary information to establish the connection. It consists of the connection device definition and the protocol name. This version of the library supports serial communication via the COM-Ports using the MLPV6 protocol only. So the on valid syntax looks as follows: `COMPORT=#; PROTOCOL=MLPV6` while # represents the number of the COM-Port. The fields have to be separated by a semicolon (;). The MLPV6 protocol is set as default so that the PROTOCOL field can be omitted. Examples for valid

ConnectionStrings (ConnectionString is NOT case sensitive):

COMPORT=1; PROTOCOL=MLPV6

COMPORT=4

COMPORT=12; PORTOCOL=MLPV6

## Disconnect – Disconnect from FM

## Disconnect()

After disconnection all properties are invalid.

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## Events

### OnDieCoverClose – Die cover closed

OnDieCoverClosed

Triggered when the FM's Die cover is closed. The FM always goes to QUIET state (not ready for Franking) when the Die cover is opened and can not be set ready for Franking until the Die cover is closed.

### OnDieCoverOpen – Die cover opened

OnDieCoverOpen

Triggered when the FM's Die cover is opened. The FM always goes to QUIET state (not ready for Franking) when the Die cover is opened and can not be set ready for Franking until the Die cover is closed.

### OnDisconnect – Unexpected disconnection

OnDisconnect

Triggered when the connection between PC and FM is unexpectedly broken.

### OnFranking – A Franking is released

OnFranking (Postage, JobRest, StatusCode)

Parameter	Ckt Type	VB Type	I/O/R	Value range	Description
Postage	CURRENCY	Currency	In	any	Postage value Franked
JobRest	short	Integer	In	any	Remaining number of items in this Preselection session. -1 if no Preselection was chosen on SetDecades(Tax).
StatusCode	RETVALS	RETVALS	In	R_OK, E_NOK, R_QUIET, all W..., all L...	Returns information about the state of the machine.

This event is triggered every time a Franking is released on the FM. This may also happen without the previous call of SetDecades, as the user may perform this action via the FM keyboard. For Autotax applications the postage represents the sum of Autotax and Acquisition tax. See also *SetDecades* – *Set FM ready for Franking* on page 16, *SetDecadesTax* – *Set Autotax FM ready for Franking (for Autotax applications only)* on page 17 and *RETVALS* on page 26.

### OnNoMoreTapes – No more Tapes

OnNoMoreTapes

Triggered when in Franking Mode FRK\_TAPE and there are no more Tapes in the FM. Franking can be continued by calling TapesPresent. See also *TapesPresent* – *Tapes present again* on page 17.

## OnQuiet (StatusCode)

Triggered when the FM goes to QUIET state without a corresponding command (GoQuiet) from the PC.

### OnRotorError (StatusCode)

**Triggered when the FM has a problem that does not allow further Frankings. This may be a problem setting decade wheels or the rotor position etc. See also *RETVALS* on page 26.**



## OnTMSEnd – End of TMS procedure

OnTMSEnd (Descending, Message, StatusCode)

Parameter	C++ type	VB type	I/O/R	Value range	Description
Descending	CURRENCY	Currency	In	Any	New value of descending counter.
Message	BSTR	String	In	up to 32 chars	Message from TMS center. Empty string if no message was received.
StatusCode	RETVALS	RETVALS	In	R_OK, E_DESC_MAX, E_SUM_OFL, E_AMOUNT_MAX, E_AMOUNT_STEP, E_AMOUNT_MIN, E_TMS_ABORT, E_TMS_TRANSM, E_TMS_CONNECT, E_TMS_MODEM, E_TMS_LINE_BUSY, E_TMS_MODEM_INIT, E_TMS_FAILED, E_FMSTATE	Returns information about the state of the machine.

Informes that the TMS procedure has finished either successful carried out or with an error. In the case of an error the message received from the TMS center may contain additional information about the cause of the error. If one calls the function to start the TMS process on an FM that does not support TMS, this event will be triggered with StatusCode = E\_TMS\_FAILED.  
The TMS procedure can be started by calling the function TMSStart. See also *TMSStart* – *Start TMS reset* on page 18.  
See also *RETVALS* on page 26.

TABLE 22-22-22-22-22

## Configuration (FMConfig)

**Important:** Before any of the properties or methods of FMConfig can be used the property ActiveConnection must be set.

### Properties

The following applies to all properties except for ActiveConnection:

All properties are READ-ONLY. The properties are loaded from the FM when the connection is established. Non of the properties does ever change, so there is no need to reload them. On disconnection all properties become invalid.

### ActiveConnection – Relation to Connection

IConnection ActiveConnection

C++ Type	VB Type	R/W	Value range
IConnection*	Connection	Read-Write	Any

Has to be set before the first use of any property or method of FMConfig. It defines the Connection that FMConfig uses to perform the functions in the FM.

### AcquisitionTaxAvailable – Availability of Acquisitiontax

VARIANT BOOL AcquisitionTaxAvailable

C++ Type	VB Type	R/W	Value range
VARIANT_BOOL	Boolean	Read-Only	TRUE/FALSE

Determinates whether the FM features Acquisitiontax. Acquisitiontax is possible on Autotax FMs only. See also *SetDecadesTax – Set Autotax FM ready for Franking (for Autotax applications only)* on page 17.

### AutoDate – Presence of Automatic Date

VARIANT BOOL AutoDate

C++ Type	VB Type	R/W	Value range
VARIANT_BOOL	Boolean	Read-Only	TRUE/FALSE

Determinates whether the FM has automatic date wheels.

AutoTaxFM – Autotax / Standard FM

VARIANT BOOL AutoDate

C++ Type	VB Type	R/W	Value range
VARIANT BOOL	Boolean	Read-Only	TRUE/FALSE

TRUE if FM is a special Autotax FM. FALSE if FM is a standard (non Autotax) FM. This property allows deciding whether SetDecadesTax or SetDecades must be used to set the FM ready for Franking. The following table shows which function must be used for which FM application:

FM	Function to set ready for Franking
Autotax	SetDecadesTax
Standard	SetDecades

BaseModel – Base model

BASES BaseModel

C++ Type	VB Type	R/W	Value range
BASES	BASES	Read-Only	All of BASES

See also BASES on page 25.

BaseSWVer – Base software version

BSTR BaseSWVer

C++ Type	VB Type	R/W	Value range
BSTR	String	Read-Only	Any text

DecadeNumber – Number of decade wheels

short DecadeNumber

C++ Type	VB Type	R/W	Value range
short	Integer	Read-Only	4 or 5

See also Examples for print image configuration on page 9.

**DecPointPosition – Position of decimal point**

short DecPointPosition

C++ Type	VB Type	R/W	Value range
short	Integer	Read-Only	0..5

Position of decimal point in money values, right aligned. This property is necessary to format money values correctly to match FM's configuration. It may be used to generate an entry mask on the user interface. FixedZeros do also count as a position. See also *Examples for print image configuration* on page 9.

**FixedZeros – Number of fixed zeros**

short FixedZeros

C++ Type	VB Type	R/W	Value range
short	Integer	Read-Only	0..3

Number of fixed zeros after the decade wheels. This property is necessary to format money values correctly to match FM's configuration. It may be used to generate an entry mask on the user interface. See also *Examples for print image configuration* on page 9.

**FMSWVer – FM software version**

BSTR FMSWVer

C++ Type	VB Type	R/W	Value range
BSTR	String	Read-Only	Any

**FMTtype – FM type**

FMTYPES FMTtype

C++ Type	VB Type	R/W	Value range
FMTYPES	FMTYPES	Read-Only	All of FMTYPES

Determinates what type of FM is connected to the PC. See also *FMTYPES* on page 25.

**FrankModeAvailItem – Availability of Franking Mode FRK\_ITEMS**

VARIANT BOOL FrankModeAvailItem

C++ Type	VB Type	R/W	Value range
VARIANT BOOL	Boolean	Read-Only	TRUE/FALSE

Determinates whether the Item Franking Mode (FRK\_ITEM) is available. One of the available Franking Modes has to be given as parameter when calling the SetDecades function. The available Franking Modes depend on the Base model. For more details on Franking Modes see *SetDecades – Set FM ready for Franking* on page 16.

TABLE 33-3333333333

FrankModeAvailLetter – Availability of Franking Mode FRK\_LETTER

VARIANT BOOL FrankModeAvailLetter

C++ Type	VB Type	R/W	Value range
VARIANT_BOOL	Boolean	Read-Only	TRUE/FALSE

Determinates whether the Letter Franking Mode (FRK\_LETTER) is available. One of the available Franking Modes has to be given as parameter when calling the SetDecades function. The available Franking Modes depend on the Base model. For more details on Franking Modes see *SetDecades – Set FM ready for Franking* on page 16.

FrankModeAvailNorm – Availability of Franking Mode FRK\_NORM

VARIANT BOOL FrankModeAvailNorm

C++ Type	VB Type	R/W	Value range
VARIANT_BOOL	Boolean	Read-Only	TRUE/FALSE

Determinates whether the Normal Franking Mode (FRK\_NORM) is available. One of the available Franking Modes has to be given as parameter when calling the SetDecades function. The available Franking Modes depend on the Base model. For more details on Franking Modes see *SetDecades – Set FM ready for Franking* on page 16.

FrankModeAvailTape – Availability of Franking Mode FRK\_TAPE

VARIANT BOOL FrankModeAvailTape

C++ Type	VB Type	R/W	Value range
VARIANT_BOOL	Boolean	Read-Only	TRUE/FALSE

Determinates whether the Tape Franking Mode (FRK\_TAPE) is available. One of the available Franking Modes has to be given as parameter when calling the SetDecades function. The available Franking Modes depend on the Base model. For more details on Franking Modes see *SetDecades – Set FM ready for Franking* on page 16.

LastDecadeType – Type of the last decade wheel

LASTDECTYPES LastDecadeType

C++ Type	VB Type	R/W	Value range
LASTDECTYPES	LASTDECTYPES	Read-Only	LD09, LD05

Determinates whether the last decade wheel can have all values (0...9 = LD09) or only the values 0 and 5 (= LD05). This property is necessary to format money values correctly to match FM's configuration. It may be used to generate an entry mask on the user interface. See *Examples for print image configuration* on page 11 and LASTDECTYPES on page 25.

## SAFEARRAY(BSTR) MailClassTexts

Often not all positions on the Mail Class cylinder are in use. So there are less Mail Classes available than positions on the cylinder. This value is important for MailClassAdjust as it is possible that the printed Mail Class is one of the unused positions on the cylinder. See also *SettableMailClasses* – *Number of available Mail Classes* on page 9 and *MailClassAdjust* – *Adjust Mail Class assignment* on page 15.

SAFEARRAY (BSTR) MailClassTexts

Each settable Mail Class has a text assigned that is shown on the FM display when a Mail Class is chosen using the FMs keyboard. These texts usually correspond to the Mail Class Dies. Each text is max. 10 chars long. There can be up to 5 texts as there are up to 5 positions on Mail Class cylinder. Possibly not all cylinder positions are available for printing. So this array contains as many texts as there are settable Mail Classes. If there are zero settable Mail Classes the array is empty (no elements). To set the Mail Class for Franking, it is necessary to pass the index of the Mail Class. The index starts from 1 to the number of settable Mail Classes. See also *SettableMailClasses* – Number of available Mail Classes on page 9.

## VARIANT BOOL MarginAvailable

The margin indicates the distance between the edge of the letter and the beginning of the print. Margin can be set (is available) on FMs with optical release only.

## BSTR SerialNr

Serial number that identifies the FM.

SettableMailClasses – Number of available Mail Classes

short SettableMailClasses

C++ Type	VB Type	R/W	Value range
short	Integer	Read-Only	0..5

Number of Mail Classes that are available. FMs that do not have Mail Classes return 0 (zero).

Examples for print image configuration

The labels of column 2 through 5 are the names of the properties, which specify the print image configuration.

Mask	DecadeNumber	DecPointPosition	FixedZeros	LastDecadeType
99.999	5	4	0	LD09
999.90	4	3	1	LD09
999.95	5	3	0	LD05
999.99	5	3	0	LD09
999.990	5	4	1	LD09
9995	4	1	0	LD05
9999	4	0	0	LD09
9999.900	5	4	2	LD09
99990	4	0	1	LD09
99999	5	0	0	LD09
999500	4	0	2	LD05
9999900	5	0	2	LD09

Meaning of column 'Mask':

9	Can be anything 0..9
5	Can be 0 or 5
0	Fixed Zero

**DescRegHide – Hide (do not show) Descending Register**

The Descending Register contains the amount of money that is currently stored inside the FM. This value can be shown on the FM display. This function hides the Descending Register on FM display.

DescReqShow()

The Descending Register contains the amount of money that is currently stored inside the FM. This function shows the Descending Register on FM display.

FrankMenuLock()

Locks the Franking Menu so that Decade setting and Franking can not be done from FM keyboard anymore. All other functions stay available from FM keyboard.

FrankMenuUnlock()

Unlocks the Franking Menu so that Decade setting and Franking are available directly from FM keyboard again.

HVLimitActivate()

Activates High Value limit so that Frankings with a higher value than specified can only be carried out after confirmation.

HVLimitDeactivate()

Deactivates High Value limit so that all Frankings can be carried out without confirmation.

KeyboardLock()

Locks the FM keyboard so that it is accessible via the PC interface only.



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**KeyboardUnlock – Unlock the FM keyboard**`KeyboardUnlock()`

Unlocks the FM keyboard so that it is accessible via the PC interface and from the FM keyboard at the same time.

**UserTimeoutActivate – Activate User Timeout**`UserTimeoutActivate()`

Activates the User Timeout. After a specified time of inactivity the FM goes automatically into sleep mode (turns off Base motor and display and goes into QUIET state). The duration of the User Timeout is defined in the FM software and can be changed by the service technician.

**UserTimeoutDeactivate – Deactivate User Timeout**`UserTimeoutDeactivate()`

Deactivates the User Timeout. The FM never goes automatically into sleep mode (turns off Base motor and display and goes into QUIET state).

**WarningLowCreditActivate – Activate Low Credit warning**`UserTimeoutActivate()`

Activates the Low Credit warning. If the Descending register drops below a specified value the user receives a warning. The warning level is defined in the FM software and can be changed by the service technician.

**WarningLowCreditDeactivate – Deactivate Low Credit warning**`UserTimeoutDeactivate()`

Deactivates the Low Credit warning. No warning is issued concerning the Descending register.

## Actions (FMActions)

**Important:** Before any of the methods of FMActions can be used the property ActiveConnection must be set.

## Properties

### ActiveConnection – Relation to Connection

IConnection ActiveConnection

C++ Type	VB Type	R/W	Value range
IConnection*	Connection	Read-Write	Any

Has to be set before the first use of any method of FMActions. It defines the Connection that FMActions uses to perform the functions in the FM.



**GetTimeDate – Current time and date of the FM**

DATE GetTimeDate

Parameter	C++ Type	VB Type	I/O/R	Value Range	Description
DATE		Date	Ret	Any date	Current FM system time and date.

The current system time and date (local) of the FM.

**GoQuiet – Set FM to QUIET state (not ready for Franking)**

GoQuiet

Sets the FM to QUIET state. In QUIET state the machine is not ready for Franking and the decade wheels are not set.

**HVLimitAbort – Not accept postage above High Value limit**

RETVALS HVLimitAbort()

Parameter	C++ Type	VB Type	I/O/R	Value Range	Description
RetVal	RETVALS	RETVALS	Ret	R_OK, E_TIMEOUT	Returns information about the state of the machine.

A SetDecades method can return with a RetVal = R\_HVLIM saying that the given postage is higher than the High Value limit. This means that the decades are not set yet and the FM is not ready for Franking yet. To carry out the SetDecades command a confirmation is necessary. With HVLimitAbort the SetDecades command is aborted, meaning the high postage is not accepted. One of the methods HVLimitAbort or HVLimitDeblock has to be called before the timeout (for most FMs around 8 sec.) has run down. The timeout starts to run when SetDecades returns R\_HVLIM. If the HVLimitAbort is called too late, E\_TIMEOUT is returned and the FM goes to QUIET state. See also *SetDecades – Set FM ready for Franking* on page 16 and *RETVALS* on page 25.

**HVLimitDeblock – Accept postage above High Value limit**

RETVALS HVLimitDeblock()

Parameter	C++ Type	VB Type	I/O/R	Value Range	Description
RetVal	RETVALS	RETVALS	Ret	R_OK, E_TIMEOUT	Returns information about the state of the machine.

A SetDecades method can return with a RetVal = R\_HVLIM saying that the given postage is higher than the High Value Limit. This means that the decades are not set yet and the FM is not ready for Franking yet. To carry out the SetDecades command a confirmation is necessary. With HVLimitDeblock the SetDecades command is carried out, meaning that the high postage is accepted. One of the methods HVLimitAbort or HVLimitDeblock has to be called before the timeout (for most FMs around 8 sec.) has run down. The timeout starts to run when SetDecades returns R\_HVLIM. If the HVLimitDeblock is called too late, E\_TIMEOUT is returned and the FM goes to QUIET state. See also *SetDecades – Set FM ready for Franking* on page 16 and *RETVALS* on page 25.

## MailClassAdjust(PrintedMailClass)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
PrintedMailClass	short	Integer	In	1..MailClassCylinderPositions	Index of the printed Mail Class

**Example:**

**Mail Class:**

Text	Index
Ground	1
Express	2
Airmail	3
(empty)	4

Chosen:	Ground
Printed:	Airmail

MailClassAdjust(3)

## NewDateConfirm

After the FM has requested a new print date (SetDecades(Tax) returned R\_NEWDATE) this function needs to be called to confirm the request. On FMs with automatic date the date wheels are adjusted automatically as soon as this function is called. FMs without automatic date assume that the date wheels have been adjusted manually when NewDateConfirm is called.

## SetDecades – Set FM ready for Franking

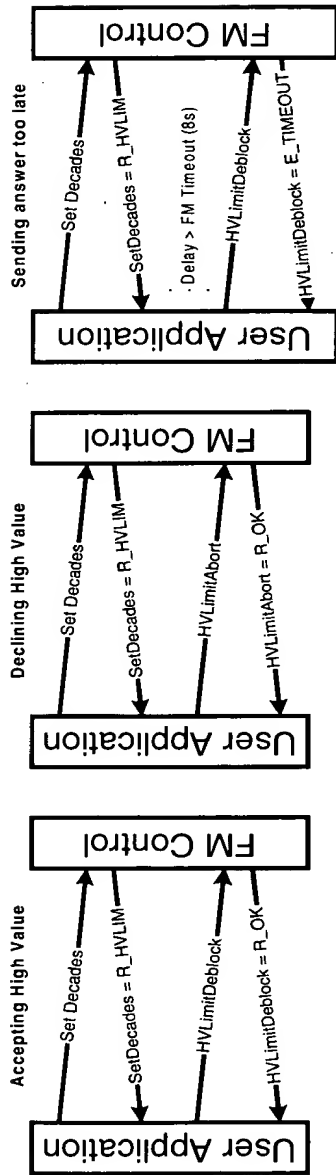
Parameter	C++ Type	VB Type	I/O/R	Value range	Description
Postage	CURRENCY	Currency	In	0...max. of print image configuration	Postage value to be Franked.
DPT	Long	Long	In	0 or any existing DPT number	Department to book Franking to (0 if no DPTs exist). If DPTs exist a valid number has to be given (not 0)!
MailClass	Short	Integer	In	1...(SettableMailClasses)	Index of MailClass to be printed (ignored if no MailClass is settable)
FrankMode	FRANKMODES	FRANKMODES	In	all available of FRANKMODES	Franking mode. Check properties for availability. If FRK_NORM is set, Preselection must be 0!
Preselection	Short	Integer	In	0...999	Max. number of items to be Franked with this setting (0 = no limit). If Preselection is 0, FrankMode must be FRK_NORM!
Margin	Short	Integer	In	1...255	Margin from the edge of the envelope to the beginning of the print. Available on FMs with optical release only!! Value is ignored if Margin is not available. Check property for availability.
RetVal	RETVALS	RETVALS	Ret	R_OK, R_HVLM, R_QUIET, R_NEWDATE, all W ..., all L ...	Returns information about the state of the machine.

**This is probably the most important function. It sets the FM ready for Franking by setting the postage value along with a range of other settings.**

For each Franking that is released the OnFranking event is called. See *OnFranking* – A Franking is released on page 3.

This function can NOT be used for Autotax FMs. See also *AutoTaxFM* -- Autotax / Standard FM on page 5.

If the RetVal is R\_HVLIM, the postage given is higher than the defined High Value Limit (and HV limit is active). After that, it is necessary to call either HVLimitAbort to abort the decade setting or HVLimitDeblock to accept the high postage. With HVLimitDeblock, the decade wheels are set for one Franking only. After the Franking the FM goes back into QUIET state and the SetDecades function has to be repeated. See also *HVLimitAbort – Not accept postage above High Value limit* on page 14, *HVLimitDeblock – Accept postage above High Value limit* on page 14 and the following sequence diagrams.



For more information about allowed postage values see *Examples for print image configuration* on page 9.

For more information about Mail Classes *SettableMailClasses* – *Number of available Mail Classes* on page 9 and *MailClassTexts* – *Texts assigned to Mail Classes* on page 8.

For more information about Franking Modes see

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FRANKMODES on page 25, *FrankModeAvailItem* – *Availability of Franking Mode FRK\_ITEMS* on page 7 and the three following. The relation between the value of margin and the real distance on the printed item depends on several other factors like Base speed etc. More detailed information can be found in chapter 10 of the Service Manual for PLUS FMs. See also *MarginAvailable* – *Availability of margin* on page 8.

For all RetVals apart form R\_OK and R\_HVLIM the FM goes back into QUIET state (not ready for Franking). See also *RETVALS* on page 25.

### SetDecadesTax – Set Autotax FM ready for Franking (for Autotax applications only)

RETVALS SetDecadesTax (Autotax, AcquisitionTax, DPT, Margin)

Parameter	Get Type	AVB Type	I/O/R	Value range	Description
Autotax	CURRENCY	Currency	In	0...max. of print image configuration	Autotax
Acquisitiontax	CURRENCY	Currency	In	0...max. of print image configuration	Acquisitiontax
DPT	Long	Long	In	0 or any existing DPT number	Department to book Franking to (0 if no DPTs exist). If DPTs exist a valid number has to be given (not 0)!
Margin	Short	Integer	In	1...255	Margin from the edge of the envelope to the beginning of the print. Available on FMs with optical release only!!! Value is ignored if Margin is not available. Check property for availability.
RetVal	RETVALS	RETVALS	Ret	R_OK, R_HVLIM, R_QUIET, R_NEWDATE, all W ..., all L ...	Returns information about the state of the machine.

SetDecadesTax can NOT be used for standard (non Autotax) FMs. See also *AutoTaxFM* – *Autotax / Standard FM* on page 5.

This function does the same as SetDecades but for Autotax applications only. It sets the FM ready for Franking by setting the Autotax and Acquisitiontax value along with other settings. The sum of Autotax and Acquisitiontax is printed. For Autotax applications that do not feature Acquisitiontax the Acquisitiontax value has to be set to zero. See also *AcquisitionTaxAvailable* – *Availability of Acquisitiontax* on page 5.

Mail Classes, Franking Modes and Preselection are not available for Autotax applications. Apart from that, the behavior of SetDecadesTax SetDecades is identical.

See also *SetDecades* – *Set FM ready for Franking* on page 16.

For all RetVals apart form R\_OK and R\_HVLIM the FM goes back into QUIET state (not ready for Franking). See also *RETVALS* on page 25.



## TapesPresent – Tapes present again

# Tapes Present

Can be sent to continue Franking Tapes after OnNoMoreTapes has been executed. See also *OnNoMoreTapes* – *No more Tapes* on page 3.

## TextToDisplay – Write text to FM display

TextToDisplay(Text, StartPos)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
Text	BSTR	String	In	Any text with max. length = 32	Text to display on the FM
StartPos	Short	Integer	In	0...31	Position where the text starts

**Displays any text on the FM display. If the text goes beyond the display the an exception with the ID INCORRDATA is raised. The text on the FM display may be overwritten by "\*" if User Timeout is active. The positions on the FM display are numbered as follows:**

[illegible]

### TMSStart – Start TMS reset

TMSStart (Amount)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
Amount	CURRENCY	Currency	In	any	Amount of money to load into the FM. The value range depends on the FM's configuration.

**Starts the TMS process. The FM must be configured for TMS (center phone number, account number etc.) before calling this method.**

This function will return immediately so that the user application is not blocked while the TMS process is running. When the TMS process finishes the event OnTMSEnd is triggered. The whole TMS process can take up to about 150 sec. It is recommended that the user application starts a timer of about 3 minutes upon calling TMSStart. If the timer runs down without OnTMSEnd triggered it can be assumed that an error occurred (e.g. connection between PC and FM broken).

See also *OnTMSEnd* – *End of TMS procedure* on page 4.

## Departments (FMDPT)

**Important:** Before any of the properties or methods of FMDPT can be used the property ActiveConnection must be set.

### Properties

The following applies to all properties except for ActiveConnection:

All properties are READ-ONLY. The properties are loaded from the FM when the connection is established. Non of the properties does ever change, so there is no need to reload them. On disconnection all properties become invalid.

### ActiveConnection – Relation to Connection

IConnection ActiveConnection

C++ Type	VB Type	R/W	Value range
IConnection*	Connection	Read-Write	Any

Has to be set before the first use of any property or method of FMDPT. It defines the Connection that FMDPT uses to perform the functions in the FM.

### NrAccounts – Max. number of DPTs

short ActiveConnection

C++ Type	VB Type	R/W	Value range
short	Integer	Read-Only	0...max. Number of departments (currently = 800)

Maximal number of department accounts that can be opened in the FM.

### NrDigits – Length of department numbers

short ActiveConnection

C++ Type	VB Type	R/W	Value range
short	Integer	Read-Only	Any

Max. number of digits a department number can have.

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## Methods

### Clear – Read and clear one department

Clear(DPT, Value, Items)

Parameter	Get Type	VB Type	I/O/R	Value range	Description
DPT	long	Long	In	Number of a existing department	Number of the department to be cleared
Value	CURRENCY	Currency	Out	any	Value Franked to this department
Items	long	Long	Out	any	Number of items Franked to this department

Reads the value and the number of items Franked to a department and resets them to zero.

### ClearAll – Read total and clear all departments

ClearAll(Value, Items)

Parameter	Get Type	VB Type	I/O/R	Value range	Description
Value	CURRENCY	Currency	Out	any	Sum of all values Franked to departments
Items	long	Long	Out	any	Sum of items Franked to departments

Reads the total value and the number of items Franked to departments and resets all departments to zero.

### Close – Close department

RETVALS Close (DPT)

Parameter	Get Type	VB Type	I/O/R	Value range	Description
DPT	long	Long	In	Number of a existing department	Number of the department to be closed
RetVal	RETVALS	RETVALS	Ret	R_OK, E_NOTCLEAR	Returns information about the state of the machine.

Closes an existing department. The department must be clear to be closed. See also *RETVALS* on page 25.

### Open – Open new department

RETVALS Open (DPT)

Parameter	Get Type	VB Type	I/O/R	Value range	Description
DPT	long	Long	In	Number of a not existing department	Number of the department to be opened
RetVal	RETVALS	RETVALS	Ret	R_OK, E_EXIST, E_FULL	Returns information about the state of the machine.

Opens a new department with the given number. The department must not exist yet. DPT must not be longer than specified by the NrDigits property. See also *NrDigits* – *Length of department numbers* on page 19 and *RETVALS* on page 25.

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**Read – Read one department**

Read(DPT, Value, Items)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
DPT	long	Long	In	Number of a existing department	Number of the department to be read
Value	CURRENCY	Currency	Out	Any	Value Franked to this department
Items	long	Long	Out	Any	Number of items Franked to this department

Reads the value and the number of items Franked to a department.

**ReadAll – Read all departments**

ReadAll (DPT, Value, Items)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
DPT	SAFEARRAY (long)	Long ()	Out	Number of an existing department	One-dimensional array of department numbers
Value	SAFEARRAY (CURRENCY)	Currency ()	Out	Any	One-dimensional array of values Franked to departments
Items	SAFEARRAY (long)	Long ()	Out	Any	One-dimensional array of number of items Franked departments

Provides a table containing all open departments. For each department the department number, the value Franked to the department and the items Franked to the department are supplied.

All arrays contain the same number of elements. The elements with the same index belong together and represent the data of one department.

**ReadTotal – Read total of all departments**

ReadNext (Value, Items)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
Value	CURRENCY	Currency	Out	Any	Sum of all values Franked to departments
Items	long	Long	Out	Any	Sum of items Franked to departments

Reads the total value and the number of items Franked to departments.

XXXXXXXXXXXXXXXXXXXX

### Statistics (FMStatistic)

**Important:** Before any of the methods of FMStatistic can be used the property ActiveConnection must be set.

### Properties

#### ActiveConnection – Relation to Connection

IConnection ActiveConnection

C++ Type	VB Type	R/W	Value range
IConnection*	Connection	Read-Write	Any

Has to be set before the first use of any method of FMStatistic. It defines the Connection that FMStatistic uses to perform the functions in the FM.

## DailyTotal – Read daily statistics

## DailyTotal (Value, Items)

Reads value and number of items Franked on current day.

## MonthlyTotal (Value, Items, Day, Month, Year)

Provides a table containing the values and number of items franked each day. All arrays contain the same number of elements. The elements with the same index belong together and represent the statistics of one day (value, items and date). The entries are sorted by date (oldest first). MonthlyTotal does not include the current day.

### SinceTotalClear – Read and clear 'Since Total' statistics

Reads total value and number of items that have been Franked since the last clear of 'Since Total' counter and resets the counters to zero.

# SinceTotalRead – Read 'Since Total' statistics

SinceTotalRead(Value, Items, Day, Month, Year)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
Value	CURRENCY	Currency	Out	any	Total value Franked since last clear
Items	long	Long	Out	any	Total number of items Franked since last clear
Day	short	Integer	Out	1...31	Day of last clear
Month	short	Integer	Out	1..12	Month of last clear
Year	short	Integer	Out	any (1980...2099)	Year (4 digit format) of last clear

Reads total value and number of items that have been Franked since the last clear of 'Since Total' counter.

T092330 99090909

**TariffGroups – Tariff group statistics**

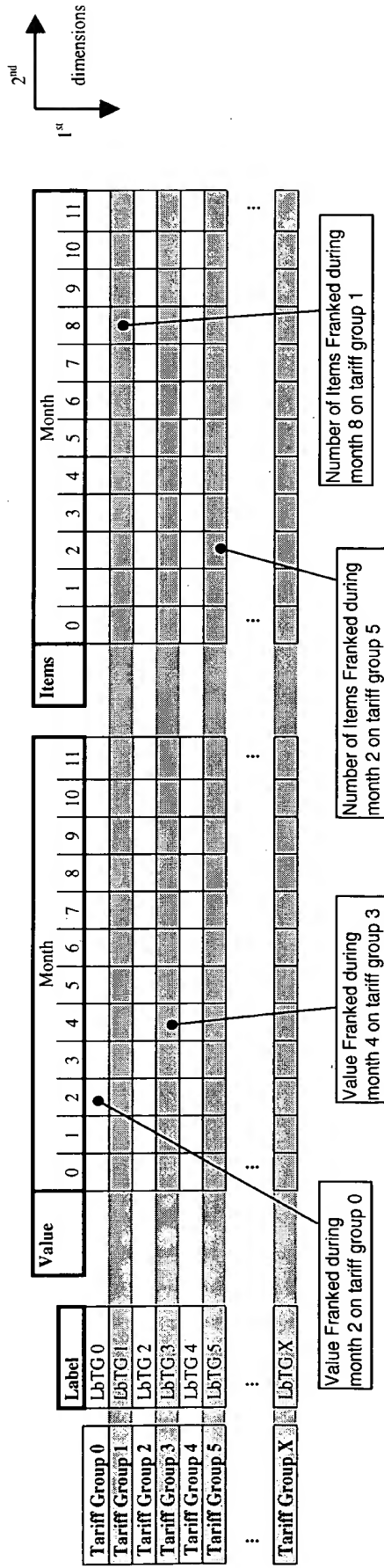
TariffGroups(Label, Value, Items)

Parameter	C++ Type	VB Type	I/O/R	Value range	Description
Label	SAFEARRAY(BSTR)	String()	Out	any	One-dimensional array of the labels of the tariff groups (Text of max. 25 chars)
Value	SAFEARRAY(CURRENCY)	Currency()	Out	any	Two-dimensional array of values Franked. 1 <sup>st</sup> dim. = values for different tariff groups 2 <sup>nd</sup> dim. = values for different months
Items	SAFEARRAY(long)	Long()	Out	any	Two-dimensional array of number of items Franked. 1 <sup>st</sup> dim. = items for different tariff groups 2 <sup>nd</sup> dim. = items for different months

The tariff group statistics always contain data for the last 12 months.

This function provides a data structure that contains the following for each tariff group: one label, 12 values and 12 numbers of items (12 because there is one for each month).

The data is organized as shown below:



Month 0 is always the current month whereas month 1 to 11 are the previous months. E.g.: on November 15 1999, month 0 is November 1999, month 1 is October 1999 and month 11 is December 1998.



## Type Definitions

The following definitions are all enumerated types. Do *not* use the discrete values of the constants, as they might change in later versions of the program library.

## BASES

B120	
B150	
B220	
B220P	
B250P	
B320	
B320P	
B335	
B335P	
B335R	Low cost base
B337	
B337P	
B340P	High speed base
BTEST	Special base for duration tests

## FMTYPES

F3XXPLUS	FMs of the F3XXPLUS series – the only FM-type that library version 1.0 does work with
----------	---

FRK_NORM	Normal Franking without Preselection. Check property for availability.
FRK_TAPE	Preselected tape Franking. Possible with Bases that have a tape motor only. Check property for availability.
FRK_LETTER	Preselected letter Franking. Available with some Bases only. Check property for availability.
FRK_ITEM	Preselected item Franking. Tapes or letters can be Franked. Check property for availability

## LASTDECTYPES

LD05	Last decade wheel can be 0 or 5 only
LD09	Last decade wheel can be anything from 0...9

Standard return values.

T00000000000000000000

R_OK	OK, function successful
E_NOK	Not OK, General error. Usually such an error causes an exception.
R_NEWDATE	Print date has changed and must be adjusted either by hand or by pushing a button on the FM keyboard and the print must be checked. Note: An offset of a few hours between the print date and the FM's system date can be defined in the FM.
R_QUIET	FM in QUIET state, not ready for Franking (anymore).
R_HVLIM	Postage higher than High Value limit. Call HVLimitDeblock or HVLimitAbort within the timeout.
E_TIMEOUT	High Value limit timeout has run down. SetDecades must be repeated.

**Warnings**

Warning limit reached. A warning indicates that soon a limit will be reached which can cause the FM to be blocked. If a warning is returned from a SetDecade command, the FM is NOT ready for Franking. In that case repeat the SetDecade command.

W_DESCREG	Descending register warning limit reached (soon no more funds).
W_ASCREG	Ascending register warning limit reached.
W_MAXITEMS	Item warning limit reached.
W_READING	Reading warning limit reached. Soon a TMS connection must be established. (Occurs on TMS meters only)
W_BATTERY	Battery expiration date reached.

**Limits**

Franking is not possible anymore and an action has to be taken to make Franking available again.

L_DESCREG	No more funds (descending register is zero).
L_ASCREG	Ascending register limit reached.
L_MAXITEMS	Item limit reached.
L_READING	Reading limit reached. A TMS connection must be established. (Occurs on TMS meters only)
L_BATCHCOUNTER	Batch counter full. Clear batch counter.
L_DPT	Department counter full. Clear content of department.
L_TOT	Since Total statistics counter full. Clear Since Total statistics.

## OnRotorError event

These are return values used by OnRotorError event only.

E_CALLSERVICE	An error that demands to call a service technician.
E_ROTOR	Error on rotor e.g. position.
E_CROSS	Cross error
E_BASESPEED	Speed of base too high.
E_DECADE	Decade wheels can not be set.
E_PRINTER	Printer error, e.g. not ready or not present.

## Departments

These return values are used in department functions only.

E_EXIST	Department does exist already. Can not open department.
E_NOTCLEAR	Department must be clear before it can be closed.
E_FULL	No more room for departments. Can not open department.

**TMS**

These return values are used in OnTMSEnd only.

E_DESC_MAX	Descending register exceeded maximum.
E_SUM_OFL	Control Total or Descending register overflow.
E_AMOUNT_MAX	Amount too high.
E_AMOUNT_STEP	Amount is not a multiple of the defined step. Round amount.
E_AMOUNT_MIN	Amount too low.
E_TMS_ABORT	TMS host has aborted.
E_TMS_TRANSM	Error in TMS transmission.
E_TMS_CONNECT	No TMS connection.
E_TMS_MODEM	TMS modem error.
E_TMS_LINE_BUSY	Phone line is busy.
E_TMS_MODEM_INIT	Error initializing modem.
E_TMS_FAILED	TMS failed (internal problem or not a TMS FM).
E_FMSTATE	FM is in wrong state for carrying out this function. Go into QUIET state first.

**HSB (High Speed Base – S340 plus)**

These return values indicate the state of the HSB.

E_HSB_KEY	Key of high speed base is in wrong position.
E_HSB_HOT	High speed base too hot.
E_HSB_STANDBY	High speed base is on standby.
E_HSB_INKCOVER	Ink cover of high speed base is open.

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### Exceptions (EXCEPTIONIDS)

The exceptions thrown by the FM Control library can be identified by the ID listed below. (Hint: In Visual Basic the exception IDs returned by the Err object do have an offset of the value of vbObjectError. Use vbObjectError to calculate the ID before comparing Err.Number with the IDs.)

<b>ID</b>	<b>Description (also returned as Description in the Err object)</b>
NOCONNECTION	Connection could not be established
INVALIDACTCON	No connection (invalid ActiveConnection)
INVCONSTRING	Invalid Connection String
CONEXIST	Connection exists already
LOSTCONNECTION	Connection lost
NOANSWER	FM does not answer
SENDFAIL	Send failed
INVSENDDATA	Invalid data to send to FM
INCORRDATA	FM said 'data is incorrect'
INVFMDATA	Invalid data received from FM
INVPOSTAGE	Invalid Postage
INVDPDPT	Invalid DPT number (negative or too many digits)
DPTNEXIST	DPT does not exist
INVMAILCLASS	Invalid Mail Class
INVFRKMODE	Invalid Franking Mode
INVPRESELECTION	Invalid Preselection value
INVMARGIN	Invalid Margin value
WRONGSTATE	FM is in wrong state for carrying out this function
STANDBY	Rotor task is on standby
DCOPEN	Die Cover is open
FCTNOTSUPPORTED	Function not supported for this FM type
ABORT	Current action aborted
NOK	FM returned NOT OK
UNKNOWN	Unknown exception

## Requirements

### PC system requirements

Operating system: Windows95 or higher or WindowsNT 4.0 with Service Pack 4 or higher.

Software:

MSVCRT.DLL version 6.0 or higher. See below for instructions for checking version and updating. Distributed COM (DCOM) installed. This is included in WindowsNT 4.0 and Windows98 or higher. If you are using Windows95 and are not sure whether DCOM is installed on your system please install DCOM by starting DCOM95.EXE that comes together with FMCtrl.

Hardware:

At least one free serial COM-Port (V.24 / RS232) – one per FM to be controlled simultaneously. A SCSI Terminal Server can be used to expand the PC with up to 32 additional COM-Ports. Such SCSI Terminal Servers are available from Digi ([www.digi.com](http://www.digi.com)). V.24 / RS232 link cable to connect the PC with the FM.

### FM requirements

FM-Type: F3XXPLUS with one free V.24 / RS232 port.

FMs using an external modem for TMS can be equipped with an INFAC interface board. INFAC provides two V.24 / RS232 ports. One port to be used for the connection to the PC, the other for the optional external modem.

*Remark:* While in FM Control mode (Remote Control = ON) no other devices than the PC or the external modem can be connected to the FM. Additional periphery like scales would have to be interfaced to the PC.

FM-Software:

Remote control enabled software. FMs having such a software installed do have the option to switch remote control ON or OFF in the Service menu.

## ***Before using the program library***

### **Version 6.0 of MSVCRT.DLL**

MSVCRT.DLL is an important part of the WindowsNT system and is often used in Windows95 too. To make sure that the FMCtrl library works correctly, version 6.0 or higher of MSVCRT.DLL is necessary. So before the first use of the FMCtrl library check the existence and version of MSVCRT.DLL and update it if necessary. To do this proceed as follows:

- Use Windows Explorer to open the directory where MSVCRT.DLL is located (WindowsNT: C:\WinNT\System32 Windows95: C:\Windows\System)

If MSVCRT.DLL does not exist:

- Copy the file delivered together with the FMCtrl library to the location mentioned above.

If MSVCRT.DLL does exist:

- Select MSVCRT.DLL and choose Properties form File menu.
- In the appearing window select Version. On the first line the version number is shown.

If the existing MSVCRT.DLL is older than version 6.0:

- Open a DOS console window or switch into DOS mode.
- Change to directory where MSVCRT.DLL is located (see above).
- Rename MSVCRT.DLL to MSVCRT.OLD by entering `rename msvcrt.dll msvcrt.old` (this does work from the DOS console window or DOS mode only)
- Copy MSVCRT.DLL that comes together with FMCtrl to the directory where you found MSVCRT.DLL.
- Reboot your system



### Registering the library

Before the FMCtrl library can be used it must be registered in Windows:

- Open a DOS console window.
- Change to directory where FMCtrl.exe is located (this can be any directory).
- Enter the following commands (the first command unregisters a possibly registered older version of the library – always do this before registering):  
 FMCtrl-unregserver  
 FMCtrl-regserver
- Now FMCtrl is ready for use e.g. from Visual Basic. To use it from Visual Basic 6.0 open a new project, choose References from Project menu and tick the FMCtrl entry. Open the object browser by pressing F2. In the object browser select FMCTRLLib from the drop down list. Now the interface of the library is shown in the object browser.

### Using the library

#### Establishing connection

Before any of the functions in the library can be used a Connection object has to be created. The next step is usually calling the Connect method that establishes the connection to the FM. Each of the other objects has an ActiveConnection property. It defines the Connection that the object uses to perform the functions in the FM. The ActiveConnection must be assigned with a Connection before any property or method of the object can be used.

#### Error handling

Most of the functions in the FM Control library can throw COM-Exceptions in case of an error. COM-Exceptions provide an error number and a description, that can be used in the error handler of the user application. Some functions do also return a value that determinates the state of the machine. Those values do indicate the reaching of warning levels and limits rather than errors.

**Logfile**

If you encounter problems using the FM Control library the logfile can provide additional information about the failure. Logfile writing can be enabled by creating a subdirectory named Log in the directory where FMCtrl.exe is located. The logfile fmctrl.txt will be placed into this subdirectory. Please always create a logfile before contacting technical support!

**Connection (Connection)**

**Properties**

**ConnectionString – Connection string**

BSTR ConnectionString

Get Type	VB Type	R/W	Value range	Description
BSTR	String	Read-Only	valid strings	Defines connection device, protocol etc.

Returns the ConnectionString for the current connection. All characters of this string are always upper case. If the string is not empty (length ≠ 0) the connection does exist. On disconnection the string is reset to 0 length.

**LibraryVersion – Version number**

BSTR LibraryVersion

Get Type	VB Type	R/W	Value range	Description
BSTR	String	Read-Only	#. #. #. # where # is a number 0...9999	Version of this program library

Returns the version of the program library that is used.

## States with reactions

The following list contains all states returned from the Franking Machine with a description and the reaction that is taken by the FM Control library. The FM Control library either throws an exception or returns a certain value to inform the user application.

State	Description	Reaction (return value, RETVAL, or exception)
ST_OK	Function successful	R_OK
ER_NOK	Error	E_NOK → Exception: "FM sent NOT OK" (not for Events)
ST_QUIET	Meter not ready (e.g. due to rejection of „high value“)	R_QUIET
ST_NEW_DATE	Print date has changed	R_NEWDATE
ST_Wr_DptNr	Wrong department number	Exception: "Invalid DPT number (e.g. too many digits)"
ST_Dpt_Nexist	Department number does not exist	Exception: "DPT does not exist"
ST_Dpt_Exist	Department exists already (when trying to open DPT)	E_EXIST
ST_Ndpt_open	No Department open (when reading or clearing total)	Exception: "DPT does not exist"
ST_NoDptSpace	Do space for more departments	E_FULL
ST_ClrContent	Department is not clear (when trying to close a DPT)	E_NOTCLEAR
ST_EoList	remapped to ST_OK	remapped to ST_OK
ER_PARAMETER	Parameter value invalid	Exception: "FM said 'data is incorrect'"
ER_DC_OPEN	Please close die cover	Exception: "Die Cover is open"
ER_FORMAT	Invalid value or invalid mail class or invalid preselection mode (neither FRK_NORM nor FRK_ITEM)	Exception: "FM said 'data is incorrect'"
ER_CALL_SERVICE	CS appeared or exists already	E_CALLSERVICE (also used with ROTOR-ERROR event)
ER_BREAK	Current action aborted / Setting error	Exception: "Current action aborted"
ER_HV_TIMEOUT	HV timer run down --> meter not ready to frank	E_TIMEOUT
ER_STANDBY	Please repeat procedure	Exception: "Rotor task is on standby"
ER_ROTOR	Rotor not in base position	E_ROTOR (also used with ROTOR-ERROR event)
ER_CROSS	Cross error	E_CROSS (also used with ROTOR-ERROR event)
ER_BASE_SPEED	Speed of Base to high	E_BASESPEED (also used with ROTOR-ERROR event)
ER_DECADE	Decade wheels can not be set	E_DECADE (also used with ROTOR-ERROR event)
ER_MARGIN_LOW	Margin too low	Exception: "Invalid Margin value"
ER_MARGIN_HIGH	Margin too high	Exception: "Invalid Margin value"
ER_DATLEN	Number of bytes (parameter length) incorrect	Exception: "FM said 'data is incorrect'"
ER_NOPRESEL	No preselection entered	Exception: "Invalid Preselection value"
ER_INVPRESEL	Wrong preselection (0) entered	Exception: "Invalid Preselection value"
ER_PRINTER_NOT_READY	Journal printer not ready (no paper, no connection etc.)	E_PRINTER (also used with ROTOR-ERROR event)
ER_MSTATE	FM in wrong state for carrying out requested function	Exception: "FM is in wrong state for carrying out this function"
L_HV	Postage above HV limit (state returned with I-Message)	Special: E_FMSTATE for OnTMSend event.
L_ASC_REG	Ascending register limit reached	R_HVLM
L_DESC_REG	No more funds (descending register is zero)	L_ASCREG
		L_DESCREG

State	Description	Reaction (return value, ERMVAL or exception)
L_MAX_ITEMS	Item limit reached	L_MAXITEMS
L_VAL_READING	Reading limit (value) reached	L_READING
L_ITEM_READING	Reading limit (items) reached	L_READING
L_TIME_READING	Reading limit (time) reached	L_READING
L_DPT_ITEM	Clear content if this department	L_DPT
L_DPT_VALUE	Clear content if this department	L_DPT
L_TOT_ITEM	Clear statistics total	L_TOT
L_TOT_VALUE	Clear statistics total	L_TOT
L_BAT_ITEM	Clear batch total	L_BATCHCOUNTER
L_BAT_VALUE	Clear batch total	L_BATCHCOUNTER
W_ASC_REG	Warning: ascending register limit ALL WARNINGS: Decades are NOT set → repeat Decade setting	W_ASCREG
W_DESC_REG	Warning: descending register limit (soon no more funds)	W_DESCREG
W_MAX_ITEMS	Warning: item limit	W_MAXITEMS
W_VAL_READING	Warning: Reading limit (value)	W_READING
W_ITEM_READING	Warning: Reading limit (items)	W_READING
W_TIME_READING	Warning: Reading limit (time)	W_READING
W_BATTERY	Warning: battery expiration date	W_BATTERY
ER_DESC_MAX	Max. descending register value exceeded	E_DESC_MAX
ER_SUM_OFL	Control total or descending register overflow	E_SUM_OFL
ER_VORG_MAX	(TMS) Amount too high	E_AMOUNT_MAX
ER_VORG_PAR	(TMS) Amount is not a multiple of the defined step	E_AMOUNT_STEP
ER_VORG_MIN	(TMS) Amount too low	E_AMOUNT_MIN
ER_USER_ABORT	TMS reset aborted by the user	Not implemented (yet)
ER_TMS_ABORT	TMS host has aborted	E_TMS_ABORT
ER_TMS_ABORT_MSG	TMS host has aborted (with message)	E_TMS_ABORT
ER_TMS_TRANSM	Error in TMS transmission	E_TMS_TRANSM
ER_TMS_CONNECT	No TMS connection	E_TMS_CONNECT
ER_TMS_MODEM	TMS modem error	E_TMS_MODEM
ER_TMS_MODEM_INIT	(TMS) Error initializing modem	E_TMS_MODEM_INIT
ER_TMS_PHONE_BUSY	(TMS) Line is busy	E_TMS_LINE_BUSY
ER_TMS_FAILED	TMS failed (internal problem or not a TMS FM)	E_TMS_FAILED
ER_HSB_MS	Key of high speed base is in wrong position	E_HSB_KEY
ER_HSB_HOT	High speed base too hot	E_HSB_HOT
ER_HSB_STBY	High speed base is on standby	E_HSB_STANDBY
ER_HSB_FD	Ink cover of high speed base is open	E_HSB_INKCOVER

Return value to a O\_ message which is sent while the FM is in the wrong STATE, the answer is an R\_ message with ER\_MSTATE (not L\_CANCEL).

## List of FM functions with returned states

ID	Function name	States
1E72	R_SPC_CONNECT	ST_OK, ER_NOK
1E13	R_ASK_BASE_MODEL_PC	ST_OK, ER_NOK
1E15	R_ASK_BASE_SW_VERS_PC	ST_OK, ER_NOK
1E76	R_ROTPARAM_READ	ST_OK, ER_NOK
1E3E	R_READ_DATETIME	ST_OK, ER_NOK
1E17	R_USER_TIMEOUT_ONOFF_PC	ST_OK, ER_NOK
1E19	R_LCW_ONOFF_PC	ST_OK, ER_NOK
1E22	R_READ_MACH_NR	ST_OK, ER_NOK
1E97	R_READ_NO_MACH	ST_OK, ER_NOK
1E9B	R_READ_NO_REMPL	ST_OK, ER_NOK
1E32	R_HV_ONOFF_PC	ST_OK, ER_NOK
1E34	R_DISP_DESC_ONOFF_PC	ST_OK, ER_NOK
1E01	R_KEYBOARD_ONOFF_PC	ST_OK, ER_NOK
1EBD	R_BLK_FRANK_MENU_PC	ST_OK, ER_NOK
1E36	R_BAT_ON_PC	ST_OK, ER_NOK
1E38	R_BAT_READ_PC	ST_OK, ER_NOK
1E3A	R_BAT_CLEAR_PC	ST_OK, ER_NOK
1E7C	R_GET_COUNTER	ST_OK, ER_NOK
1ECC	R_PC_READ_MC_TEXT	ST_OK, ER_NOK, ?ER_MSTATE
1E11	R_TEXT_TO_DISPLAY_PC	ST_OK, ER_NOK, ER_DATLEN, ER_FORMAT
1E6A	R_SPC_MC_COR	ST_OK, ER_STANDBY, ER_CALL_SERVICE, ER_DC_OPEN, ER_DATLEN, ER_PARAMETER
1E63	R_SPC_GO_QUIET	ST_OK, ER_ROTATOR, ER_DC_OPEN, ER_CALL_SERVICE
1E74	R_SPC_DEC_SET	All*
1EBF	R_PC_DEC_SET_TAX	All*
1E68	I_SPC_QUIET	ST_OK, ER_HSB_MS, ER_HSB_HOT, ER_HSB_STBY, ER_HSB_FD
1E5D	I_PC_FRK_EVENT	ST_OK, ST_QUIET, ST_NEW_DATE?, W_..., L_...
1E4D	I_SPC_ROT_ERROR	ER_CALL_SERVICE, ER_ROTATOR, ER_CROSS, ER_BASE_SPEED, ER_DECADE, ER_PRINTER_NOTREADY
1E03	R_SPC_DISCONNECT	ST_OK, ER_ROTATOR, ER_DC_OPEN, ER_CALL_SERVICE
1E3C	R_SET_TMS_PC	ST_OK, ER_TMS_ABORT, ER_TMS_ABORT_MSG, ER_TMS_TRANSM, ER_TMS_CONNECT, ER_TMS_MODEM, ER_TMS_PHONE_BUSY, ER_TMS_MODEM_INIT, ER_TMS_FAILED
1EA7	R MailClass_PC	ST_OK, ?ER_DATLEN
1EA5	R TOT_READ_PC	ST_OK, ?ER_DATLEN
1EBB	R TOT_CLEAR_PC	ST_OK, ?ER_DATLEN
1EA9	R_READ_DAY_PC	ST_OK, ?ER_DATLEN
1EAF	R_READ_YEAR_PC	ST_OK, ?ER_DATLEN
1EB7	R_READ_Tgroup_Par	ST_OK, ?ER_DATLEN
1EA1	R 1ST DPT_PC	ST_OK, ?ER_DATLEN, ST_EoList
1EA3	R NEXT DPT_PC	ST_OK, ?ER_DATLEN, ST_EoList
1EAB	R 1ST DAY_PC	ST_OK, ?ER_DATLEN, ST_EoList
1EAD	R NEXT DAY_PC	ST_OK, ?ER_DATLEN, ST_EoList
1EB1	R 1ST TarifGroup_PC	ST_OK, ?ER_DATLEN, ST_EoList
1EB3	R NEXT TarifGroup_PC	ST_OK, ?ER_DATLEN, ST_EoList
1E6C	R DPTPARAM_READ	?
1E0D	R DPT_OPEN_PC	ST_OK, ST_Wr_DptNr, ST_Dpt_Exist, ST_NoDptSpace
1E0F	R DPT_CLOSE_PC	ST_OK, ST_Wr_DptNr, ST_Dpt_Nexist, ST_ClrContent
1E53	R GET DPT_PC	ST_OK, ST_Wr_DptNr, ST_Dpt_Nexist
1E55	R CLEAR DPT_PC	ST_OK, ST_Wr_DptNr, ST_Dpt_Nexist
1E57	R SUM_READ_PC	ST_OK, ST_Ndpt_open
1E59	R SUM_CLEAR_PC	ST_OK, ST_Ndpt_open

## APPENDIX II

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Attribute VB\_Name = "Conversions"  
 'Module Conversions contains routines to convert values form one  
 'type to another.

Option Explicit

'Converts enumerated type FMTYPES to a string with the name

```
Function FMTypeToString(FMType As FMTYPES) As String
    Select Case FMType
        Case F3XXPLUS
            FMTypeToString = "F3XXPLUS"
        Case Else
            FMTypeToString = "(unknown)"
    End Select
End Function
```

'Converts enumerated type BASES to a string with the name

```
Function BaseModelToString(Base As BASES) As String
    Select Case Base
        Case B120
            BaseModelToString = "B120"
        Case B150
            BaseModelToString = "B150"
        Case B220
            BaseModelToString = "B220"
        Case B220P
            BaseModelToString = "B220P"
        Case B250P
            BaseModelToString = "B250P"
        Case B320P
            BaseModelToString = "B320P"
        Case B335
            BaseModelToString = "B335"
        Case B335P
            BaseModelToString = "B335P"
        Case B335R
            BaseModelToString = "B335R"
        Case B337
            BaseModelToString = "B337"
        Case B337P
            BaseModelToString = "B337P"
        Case B340P
            BaseModelToString = "B340P"
        Case BTEST
            BaseModelToString = "BTEST"
        Case Else
```

```

        BaseModelToString = "(unknown)"
    End Select

```

```

End Function

```

```

'Composes the print image out of the information read from the FM
and
'returns it as string (e.g. 99.99 or 9999900 etc.)

```

```

Function CreatePrintImage() As String
    Dim Config As New FMCTRLLib.FMConfig
    onfig object

```

```

        'Create an new FMC

```

```

    Dim strPrintImage As String
    iables

```

```

        'Define needed var

```

```

    Dim strFixZeros As String
    Dim strPostPoint As String
    Dim strPrePoint As String

```

```

    '!!! Error handling must be done in the calling function !!!

```

```

    Config.ActiveConnection = fMainForm.Con
    tion to be used by Config

```

```

        'Define the connec

```

```

    strPrintImage = String(Config.DecadeNumber - 1, "9")
    for each decade wheel do not add the last wheel yet

```

```

        'A "9"

```

```

    If Config.LastDecadeType = LD09 Then

```

```

        strPrintImage = strPrintImage + "9"
        last decade wheel if last decade can be 0..9

```

```

        'Add a "9" for the

```

```

    Else

```

```

        strPrintImage = strPrintImage + "5"
        last decade wheel if last decade be only 0 or 5

```

```

        'Add a "5" for the

```

```

    End If

```

```

    strFixZeros = String(Config.FixedZeros, "0")
    h fixed zero

```

```

        'A "0" for eac

```

```

    strPrintImage = strPrintImage + strFixZeros
    to the decade wheels

```

```

        'Add the zeros

```

```

    If Config.DecPointPosition > 1 Then
        decimal point

```

```

        'If FM uses a

```

```

        strPostPoint = Right(strPrintImage, Config.DecPointPositio
n - 1)

```

```

        'Copy the characters that follow the decimal point

```

```

        strPrePoint = Left(strPrintImage, Len(strPrintImage) - Con
fig.DecPointPosition + 1)

```

```

        'Copy the characters that are before the

```

```

        strPrintImage = strPrePoint + "." + strPostPoint
        t the decimal point

```

```

        'Inser

```

```

    End If

```



```

    CreatePrintImage = strPrintImage          'Return composed s
tring

    Set Config = Nothing                      'Disassociate Conf
ig object
End Function

'Creates a format mask that can be used to format money values for
displaying.
'Attention: the "," (thousand separator) and the "." (decimal poi
nt) will be
'          automatically replaced by the signs defined in the Win
dows country
'          settings (e.g. "'" and ",").

Function CreateCurrencyFormatMask() As String
    Dim Config As New FMCTRLLib.FMConfig      'Create an new FMC
onfig object
    Dim strMask As String                    'Define needed var
iables

    '!!! Error handling must be done in the calling function !!!

    Config.ActiveConnection = fMainForm.Con  'Define the connec
tion to be used by Config

    strMask = "##,##0"                      'Define the initia
l mask
    If Config.DecPointPosition > 1 Then      'If FM uses a deci
mal point
        'Add a "." and as
        many "0" as there are decades in the FM after the point
        strMask = strMask + "." + String(Config.DecPointPosition -
1, "0")
    End If

    CreateCurrencyFormatMask = strMask      'Return mask
    Set Config = Nothing                    'Disassociate Conf
ig object
End Function

'Converts a True to a "Yes" and a False to a "No"

Function BoolToYesNo(bBool As Boolean) As String
    If bBool Then
        BoolToYesNo = "Yes"
    Else

```

```

        BoolToYesNo = "No"
    End If
End Function

'Composes a string containing a list of the names of all available
Franking Modes

Public Function FrankModesToString() As String
    Dim Config As New FMCTRLLib.FMConfig           'Create an new FMC
onfig object
    Dim strFrkModes As String                       'Define needed var
iables

    '!!! Error handling must be done in the calling function !!!

    Config.ActiveConnection = fMainForm.Con         'Define the connec
tion to be used by Config
    strFrkModes = ""

    If Config.FrankModeAvailNorm Then               'If FRK_NORM is av
ailable
        strFrkModes = "Normal"                     'Set string
    End If
    If Config.FrankModeAvailTape Then               'If FRK_TAPE is av
ailable
        If Len(strFrkModes) > 0 Then               'If there is alrea
dy an entry
            strFrkModes = strFrkModes + " / "      'Insert a /
        End If
        strFrkModes = strFrkModes + "Tapes"        'Add Tapes
    End If
    If Config.FrankModeAvailLetter Then             '..
        If Len(strFrkModes) > 0 Then
            strFrkModes = strFrkModes + " / "
        End If
        strFrkModes = strFrkModes + "Letters"
    End If
    If Config.FrankModeAvailItem Then              '..
        If Len(strFrkModes) > 0 Then
            strFrkModes = strFrkModes + " / "
        End If
        strFrkModes = strFrkModes + "Items"
    End If

    FrankModesToString = strFrkModes               'Return string

    Set Config = Nothing                           'Disassociate Conf
ig object

```

End Function

'Converts an index (used to identify the Franking Mode in a ComboB  
ox.ItemData)

'to enumerated type FRANKMODES

Public Function IndexToFrankMode(Index As Integer) As FRANKMODES

    Select Case Index

        Case 0

            IndexToFrankMode = FRK\_NORM

        Case 1

            IndexToFrankMode = FRK\_TAPE

        Case 2

            IndexToFrankMode = FRK\_LETTER

        Case 3

            IndexToFrankMode = FRK\_ITEM

    End Select

End Function

'Select the whole text of the given TextBox.

Public Sub SelectAll(txtBox As TextBox)

    txtBox.SelStart = 0

    txtBox.SelLength = Len(txtBox.Text)

End Sub

'Get the appropriate text message to a return value from the FM Co  
ntrol library.

Public Function RetValToText(RetVal As RETVALS) As String

    Dim s As String

    Select Case RetVal

        Case R\_OK

            s = "OK, function successful."

        Case E\_NOK

            s = "Not OK, general error."

        Case R\_NEWDATE

            s = "Print date has changed."

        Case R\_QUIET

            s = "FM in QUIET state."

        Case R\_HVLIM

            s = "Postage is above High Value limit."

        Case E\_TIMEOUT

            s = "Timeout has run down."

        Case E\_CALLSERVICE

            s = "Call a service technician."

        Case E\_ROTOR

```

        s = "Error on rotor."
    Case E_CROSS
        s = "Cross error."
    Case E_BASESPEED
        s = "Speed of base to high."
    Case E_DECADE
        s = "Decade wheels can not be set."
    Case E_PRINTER
        s = "Printer error."
    Case W_DESCREG
        s = "Low Credit warning (soon no more funds)."
    Case W_ASCREG
        s = "Ascending counter warning level reached."
    Case W_MAXITEMS
        s = "Item counter warning level reached."
    Case W_READING
        s = "Reading warning level reached."
    Case W_BATTERY
        s = "Battery expiration date reached."
    Case L_DESCREG
        s = "No more funds (descending counter is zero)."
    Case L_ASCREG
        s = "Ascending register limit reached."
    Case L_MAXITEMS
        s = "Item counter limit reached."
    Case L_READING
        s = "Reading limit reached."
    Case L_BATCHCOUNTER
        s = "Batch counter full."
    Case L_DPT
        s = "Department counter full."
    Case L_TOT
        s = "Since Total statistics counter full."
    Case E_HSB_KEY
        s = "Key of high speed base is in wrong position."
    Case E_HSB_HOT
        s = "High speed base too hot."
    Case E_HSB_STANDBY
        s = "High speed base is on standby."
    Case E_HSB_INKCOVER
        s = "Ink cover of high speed base is open."
    Case Else
        s = "Error: unhandled RetVal!"
    End Select

    RetValToText = s
End Function

```

'Get the appropriate short text message to a return value from the FM Control library.

'These short texts are used for displaying in the Frankings list of frmFranking

```
Public Function RetValToShortText(RetVal As RETVALS) As String
    Dim s As String
```

```
    Select Case RetVal
    Case R_OK
        s = "OK"
    Case E_NOK
        s = "Error"
    Case R_NEWDATE
        s = "New Date"
    Case R_QUIET
        s = "QUIET"
    Case R_HVLIM
        s = "HV limit"
    Case E_TIMEOUT
        s = "Timeout"
    Case E_CALLSERVICE
        s = "Call service"
    Case E_ROTOR
        s = "Rotor error"
    Case E_CROSS
        s = "Cross error"
    Case E_BASESPEED
        s = "Base speed"
    Case E_DECADE
        s = "Decade error"
    Case E_PRINTER
        s = "Printer error"
    Case W_DESCREG
        s = "Low Credit"
    Case W_ASCREG
        s = "Warning: Ascending"
    Case W_MAXITEMS
        s = "Warning: Items"
    Case W_READING
        s = "Warning: Reading"
    Case W_BATTERY
        s = "Warning: Battery"
    Case L_DESCREG
        s = "No more funds"
    Case L_ASCREG
        s = "Limit: Ascending counter"
```

```

Case L_MAXITEMS
    s = "Limit: Item counter"
Case L_READING
    s = "Limit: Reading"
Case L_BATCHCOUNTER
    s = "Batch counter full"
Case L_DPT
    s = "Department full"
Case L_TOT
    s = "Statistics full"
Case Else
    s = "Error: unhandled RetVal!"
End Select

```

RetValToShortText = s

End Function

'Displays the appropriate message box to a return value from the FM Control library.

'Some of the messages need to be answered and an action must be taken.

Public Sub ProcessRetVal(RetVal As RETVALS)

Dim msg As String

Dim MsgBoxStyle As VbMsgBoxStyle

Dim bShowMsgBox As Boolean

Dim NL As String

NL = Chr(13)

'Define newline character

bShowMsgBox = True

msg = RetValToText(RetVal)

'Get the text message for

the RetVal

Select Case RetVal

Case R\_OK

bShowMsgBox = False

'Do not show message box

frmFranking.sbStatusBar.SimpleText = "Ready for Franking"

'Write to StatusBar of frmFranking

Case E\_NOK

MsgBoxStyle = vbCritical

Case R\_NEWDATE

msg = msg + NL + "Confirm new date?"

MsgBoxStyle = vbYesNo + vbQuestion

'Message box with

Yes and No buttons

If vbYes = MsgBox(msg, MsgBoxStyle) Then

'If Yes clicked

Then

ConfirmNewDate

'Confirmation

is sent to FM

```

        End If
        bShowMsgBox = False           'Do not show a
additional message box
        Case R_QUIET
            frmFranking.sbStatusBar.SimpleText = "Quiet"       'Write to
StatusBar of frmFranking
            MsgBoxStyle = vbInformation
            bShowMsgBox = False       'Do not show m
essage box
        Case R_HVLIM
            msg = msg + NL + "Accept high postage?"
            MsgBoxStyle = vbYesNo + vbQuestion                 'Message box w
ith Yes and No buttons
            AnswerHVLimit (MsgBox(msg, MsgBoxStyle))           'Send message
to FM depending on the button pressed
            bShowMsgBox = False       'Do not show a
additional message box
        Case E_TIMEOUT
            msg = msg + NL + "Decades not set."
            MsgBoxStyle = vbInformation
        Case E_CALLSERVICE, E_ROTOR, E_CROSS, E_BASESPEED, E_DECADE, E
 Printer
            msg = msg + NL + "Decades not set."
            MsgBoxStyle = vbCritical
        Case W_DESCREG, W_ASCREG, W_MAXITEMS, W_READING, W_BATTERY
            msg = msg + NL + "Decades not set."
            MsgBoxStyle = vbInformation
        Case L_DESCREG, L_ASCREG, L_MAXITEMS, L_READING, L_BATCHCOUNTE
R, L_DPT, L_TOT
            msg = msg + NL + "Decades not set."
            MsgBoxStyle = vbExclamation
        Case E_HSB_KEY, E_HSB_HOT, E_HSB_STANDBY, E_HSB_INKCOVER
            msg = msg + NL + "Decades not set."
            MsgBoxStyle = vbInformation
        Case Else
            MsgBoxStyle = vbCritical
        End Select

        If bShowMsgBox Then
            MsgBox msg, MsgBoxStyle           'Show message
box with parameters declared above
        End If
    End Sub

'Send HVDeblock or HVAbort depending on the message box result

Private Sub AnswerHVLimit(MsgBoxResult As VbMsgBoxResult)
    Dim Actions As New FMCTRLLib.FMActions       'Create an new FMA

```

```

ctions object
    Dim Ret As RETVALS                                'Define needed var
iables

    '!!! Error handling must be done in the calling function !!!

    Actions.ActiveConnection = fMainForm.Con          'Define the connec
tion to be used by Actions

    If MsgBoxResult = vbYes Then                      'If Yes clicked in
message box
        Ret = Actions.HVLimitDeblock                'Send High Value d
eblock message
    Else                                              'No clicked in mes
sage box
        Ret = Actions.HVLimitAbort                  'Send High Value a
bort message
    End If
    Set Actions = Nothing                            'Disassociate Acti
ons object
    ProcessRetVal Ret                                'Process Ret (show
message if necessary)
End Sub

'Sends New Date Confirmation to FM (the FM then adjusts date if it
has automatic date, or
'supposes that the user has adjusted the date manually.

Private Sub ConfirmNewDate()
    Dim Actions As New FMCTRLLib.FMActions          'Create an new FMA
ctions object

    '!!! Error handling must be done in the calling function !!!

    Actions.ActiveConnection = fMainForm.Con        'Define the connec
tion to be used by Actions
    Actions.NewDateConfirm                          'Send confirmation
    Set Actions = Nothing                            'Disassociate Acti
ons object
End Sub

```



```
Attribute VB_Name = "ErrorHnd"
Option Explicit
```

```
'Displays an error message for the last error occurred.
'The exceptions of the FM Control library are converted using vbObjectError as offset.
```

```
Sub ErrorHandler()
    Dim msg As String
    Dim MsgBoxStyle As VbMsgBoxStyle

    MsgBoxStyle = vbCritical

    Select Case Err.Number
        Case NOCONNECTION + vbObjectError To UNKNOWN + vbObjectError
            'All FM Control ExceptionIDs
            msg = Err.Description + " (" + CStr(Err.Number - vbObjectError) + ")." 'Convert error numbers using vbObjectError
        Case 13
            'Type mismatch - occurs when trying to convert a text into a number
            msg = "One or more of the entered values are invalid" + " (" + CStr(Err.Number) + ")."
        Case Else
            'Display all other messages as they are
            msg = Err.Description + " (" + CStr(Err.Number) + ")."
    End Select

    'msg = msg + Chr(13) + "Source: " + Err.Source 'Display source on a new line

    MsgBox msg, MsgBoxStyle 'Show message
End Sub
```

[illegible]

VERSION 5.00

Begin VB.Form frmAbout

BorderStyle = 3 'Fixed Dialog  
Caption = "About"  
ClientHeight = 3630  
ClientLeft = 45  
ClientTop = 330  
ClientWidth = 5865  
ClipControls = 0 'False  
Icon = "frmAbout.frx":0000  
LinkTopic = "Form1"  
MaxButton = 0 'False  
MinButton = 0 'False  
ScaleHeight = 3630  
ScaleWidth = 5865  
ShowInTaskbar = 0 'False  
StartupPosition = 1 'CenterOwner  
Tag = "About Project1"

Begin VB.PictureBox picIcon

AutoSize = -1 'True  
BackColor = &H00C0C0C0&  
ClipControls = 0 'False  
Height = 540  
Left = 240  
Picture = "frmAbout.frx":0442  
ScaleHeight = 480  
ScaleMode = 0 'User  
ScaleWidth = 480  
TabIndex = 2  
TabStop = 0 'False  
Top = 240  
Width = 540

End

Begin VB.CommandButton cmdOK

Cancel = -1 'True  
Caption = "OK"  
Default = -1 'True  
Height = 345  
Left = 4245  
TabIndex = 0  
Tag = "OK"  
Top = 2625  
Width = 1467

End

Begin VB.CommandButton cmdSysInfo

Caption = "&System Info..."  
Height = 345  
Left = 4260  
TabIndex = 1  
Tag = "&System Info..."  
Top = 3075  
Width = 1452

End

Begin VB.Label lbLibraryVerison

Caption = "Library Version"  
Height = 255  
Left = 1050  
TabIndex = 8  
Top = 960  
Width = 4095

End

frmAbout.frx:58655865

```

Begin VB.Label Label1
    Caption      =   "Ascom Autelca AG Mailing Systems"
    Height       =   255
    Left         =   1050
    TabIndex     =   7
    Top          =   1320
    Width        =   4095
End
Begin VB.Label lblDescription
    Caption      =   $"frmAbout.frx":0884
    ForeColor    =   &H00000000&
    Height       =   690
    Left         =   1050
    TabIndex     =   6
    Tag          =   "App Description"
    Top          =   1680
    Width        =   4095
End
Begin VB.Label lblTitle
    Caption      =   "Application Title"
    ForeColor    =   &H00000000&
    Height       =   240
    Left         =   1050
    TabIndex     =   5
    Tag          =   "Application Title"
    Top          =   240
    Width        =   4095
End
Begin VB.Line Line1
    BorderColor  =   &H00808080&
    BorderStyle  =   6 'Inside Solid
    Index        =   1
    X1           =   225
    X2           =   5657
    Y1           =   2430
    Y2           =   2430
End
Begin VB.Line Line1
    BorderColor  =   &H00FFFFFF&
    BorderWidth  =   2
    Index        =   0
    X1           =   240
    X2           =   5657
    Y1           =   2445
    Y2           =   2445
End
Begin VB.Label lblVersion
    Caption      =   "Version"
    Height       =   255
    Left         =   1050
    TabIndex     =   4
    Tag          =   "Version"
    Top          =   600
    Width        =   4095
End
Begin VB.Label lblDisclaimer
    ForeColor    =   &H00000000&
    Height       =   825
    Left         =   255
    TabIndex     =   3
    Tag          =   "Warning: ..."

```

```

        Top           = 2625
        Width         = 3750
    End
End
Attribute VB_Name = "frmAbout"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
Option Explicit

' Reg Key Security Options...
Const KEY_ALL_ACCESS = &H2003F

' Reg Key ROOT Types...
Const HKEY_LOCAL_MACHINE = &H80000002
Const ERROR_SUCCESS = 0
Const REG_SZ = 1                ' Unicode nul terminated string
Const REG_DWORD = 4            ' 32-bit number

Const gREGKEYSYSINFOLOC = "SOFTWARE\Microsoft\Shared Tools Location"
Const gREGVALSYSINFOLOC = "MSINFO"
Const gREGKEYSYSINFO = "SOFTWARE\Microsoft\Shared Tools\MSINFO"
Const gREGVALSYSINFO = "PATH"

Private Declare Function RegOpenKeyEx Lib "advapi32" Alias
"RegOpenKeyExA" (ByVal hKey As Long, ByVal lpSubKey As String, ByVal
ulOptions As Long, ByVal samDesired As Long, ByRef phkResult As Long) As
Long
Private Declare Function RegQueryValueEx Lib "advapi32" Alias
"RegQueryValueExA" (ByVal hKey As Long, ByVal lpValueName As String,
ByVal lpReserved As Long, ByRef lpType As Long, ByVal lpData As String,
ByRef lpcbData As Long) As Long
Private Declare Function RegCloseKey Lib "advapi32" (ByVal hKey As Long)
As Long

Private Sub Form_Load()
    lblVersion.Caption = "Version " & App.Major & "." & App.Minor & "."
& App.Revision
    lblTitle.Caption = App.Title
    lblLibraryVersion.Caption = "FM Control library version " +
fMainForm.Con.LibraryVersion    'Display Version of FM Control Library
End Sub

Private Sub cmdSysInfo_Click()
    Call StartSysInfo
End Sub

Private Sub cmdOK_Click()
    Unload Me
End Sub

Public Sub StartSysInfo()
    On Error GoTo SysInfoErr

    Dim rc As Long
    Dim SysInfoPath As String

```

```

' Try To Get System Info Program Path\Name From Registry...
If GetKeyValue(HKEY_LOCAL_MACHINE, gREGKEYSYSINFO,
gREGVALSYSINFO, SysInfoPath) Then
' Try To Get System Info Program Path Only From Registry...
ElseIf GetKeyValue(HKEY_LOCAL_MACHINE, gREGKEYSYSINFOLOC,
gREGVALSYSINFOLOC, SysInfoPath) Then
' Validate Existence Of Known 32 Bit File Version
If (Dir(SysInfoPath & "\MSINFO32.EXE") <> "") Then
SysInfoPath = SysInfoPath & "\MSINFO32.EXE"

' Error - File Can Not Be Found...
Else
GoTo SysInfoErr
End If
' Error - Registry Entry Can Not Be Found...
Else
GoTo SysInfoErr
End If

Call Shell(SysInfoPath, vbNormalFocus)

Exit Sub
SysInfoErr:
MsgBox "System Information Is Unavailable At This Time",
vbOKOnly
End Sub

Public Function GetKeyValue(KeyRoot As Long, KeyName As String,
SubKeyRef As String, ByRef KeyVal As String) As Boolean
Dim i As Long ' Loop
Counter ' Return
Dim rc As Long ' Return
Code ' Handle
Dim hKey As Long ' Handle
To An Open Registry Key
Dim hDepth As Long '
Dim KeyValType As Long ' Data
Type Of A Registry Key
Dim tmpVal As String '
Temporary Storage For A Registry Key Value
Dim KeyValSize As Long ' Size
Of Registry Key Variable
-----
' Open RegKey Under KeyRoot {HKEY_LOCAL_MACHINE...}
-----
rc = RegOpenKeyEx(KeyRoot, KeyName, 0, KEY_ALL_ACCESS, hKey) '
Open Registry Key

If (rc <> ERROR_SUCCESS) Then GoTo GetKeyError ' Handle
Error...

tmpVal = String$(1024, 0) ' Allocate
Variable Space

```

KeyValSize = 1024  
Variable Size

' Mark

-----  
' Retrieve Registry Key Value...  
-----

rc = RegQueryValueEx(hKey, SubKeyRef, 0, KeyValType, tmpVal,  
KeyValSize) ' Get/Create Key Value

If (rc <> ERROR\_SUCCESS) Then GoTo GetKeyError ' Handle  
Errors

tmpVal = VBA.Left(tmpVal, InStr(tmpVal, VBA.Chr(0)) - 1)

-----  
' Determine Key Value Type For Conversion...  
-----

Select Case KeyValType ' Search  
Data Types...  
Case REG\_SZ ' String  
Registry Key Data Type  
KeyVal = tmpVal  
Copy String Value  
Case REG\_DWORD ' Double  
Word Registry Key Data Type  
For i = Len(tmpVal) To 1 Step -1  
Convert Each Bit  
KeyVal = KeyVal + Hex(Asc(Mid(tmpVal, i, 1)))  
' Build Value Char. By Char.  
Next  
KeyVal = Format\$("&h" + KeyVal)  
Convert Double Word To String  
End Select

GetKeyValue = True ' Return  
Success  
rc = RegCloseKey(hKey) ' Close  
Registry Key  
Exit Function ' Exit

GetKeyError: ' Cleanup After An Error Has Occured...  
KeyVal = "" ' Set  
Return Val To Empty String  
GetKeyValue = False ' Return  
Failure  
rc = RegCloseKey(hKey) ' Close  
Registry Key  
End Function

VERSION 5.00

Object = "{BDC217C8-ED16-11CD-956C-0000C04E4C0A}#1.1#0"; "TABCTL32.OCX"

Begin VB.Form frmConfig

BorderStyle = 3 'Fixed Dialog  
Caption = "Configuration"  
ClientHeight = 4920  
ClientLeft = 2565  
ClientTop = 1500  
ClientWidth = 5910  
Icon = "frmConfig.frx":0000  
KeyPreview = -1 'True  
LinkTopic = "Form1"  
MaxButton = 0 'False  
MinButton = 0 'False  
ScaleHeight = 4920  
ScaleWidth = 5910  
ShowInTaskbar = 0 'False  
StartupPosition = 1 'CenterOwner

Begin TabDlg.SSTab tabConfig

Height = 4215  
Left = 120  
TabIndex = 13  
Top = 120  
Width = 5655  
\_ExtentX = 9975  
\_ExtentY = 7435  
\_Version = 393216  
Style = 1  
Tabs = 2  
TabsPerRow = 2  
TabHeight = 520  
TabCaption(0) = "Properties"  
TabPicture(0) = "frmConfig.frx":0442  
Tab(0).ControlEnabled= -1 'True  
Tab(0).Control(0)= "fraFrankingModes"  
Tab(0).Control(0).Enabled= 0 'False  
Tab(0).Control(1)= "fraGeneral"  
Tab(0).Control(1).Enabled= 0 'False  
Tab(0).Control(2)= "fraPrintImage"  
Tab(0).Control(2).Enabled= 0 'False  
Tab(0).Control(3)= "fraBase"  
Tab(0).Control(3).Enabled= 0 'False  
Tab(0).Control(4)= "fraFeatures"  
Tab(0).Control(4).Enabled= 0 'False  
Tab(0).ControlCount= 5  
TabCaption(1) = "Settings"  
TabPicture(1) = "frmConfig.frx":045E  
Tab(1).ControlEnabled= 0 'False  
Tab(1).Control(0)= "fraLowCreditWarn"  
Tab(1).Control(1)= "fraUserTimeout"  
Tab(1).Control(2)= "fraKeyboard"  
Tab(1).Control(3)= "fraHighValue"  
Tab(1).Control(4)= "fraFrankMenu"  
Tab(1).Control(5)= "fraDescReg"  
Tab(1).ControlCount= 6

Begin VB.Frame fraLowCreditWarn

Caption = "Low Credit warning"  
Height = 1095  
Left = -72120  
TabIndex = 53  
Top = 480



```

Width          = 2535
Begin VB.CommandButton cmdLowCreditWarnDeactivate
    Caption      = "Deactivate"
    Height       = 495
    Left        = 1320
    TabIndex     = 7
    Top         = 360
    Width       = 975
End
Begin VB.CommandButton cmdLowCreditWarnActivate
    Caption      = "Activate"
    Height       = 495
    Left        = 240
    TabIndex     = 6
    Top         = 360
    Width       = 975
End
End
Begin VB.Frame fraUserTimeout
    Caption      = "User timeout"
    Height       = 1095
    Left        = -72120
    TabIndex     = 52
    Top         = 2880
    Width       = 2535
    Begin VB.CommandButton cmdUserTimeOutDeactivate
        Caption      = "Deactivate"
        Height       = 495
        Left        = 1320
        TabIndex     = 11
        Top         = 360
        Width       = 975
    End
    Begin VB.CommandButton cmdUserTimeOutActivate
        Caption      = "Activate"
        Height       = 495
        Left        = 240
        TabIndex     = 10
        Top         = 360
        Width       = 975
    End
End
End
Begin VB.Frame fraKeyboard
    Caption      = "FM keyboard"
    Height       = 1095
    Left        = -74760
    TabIndex     = 51
    Top         = 2880
    Width       = 2055
    Begin VB.CommandButton cmdKeyboardUnlock
        Caption      = "Unlock"
        Height       = 495
        Left        = 1080
        TabIndex     = 5
        Top         = 360
        Width       = 735
    End
    Begin VB.CommandButton cmdKeyboardLock
        Caption      = "Lock"
        Height       = 495
        Left        = 240

```

```

        TabIndex      = 4
        Top           = 360
        Width         = 735
    End
End
Begin VB.Frame fraHighValue
    Caption          = "High Value limit"
    Height           = 1095
    Left             = -72120
    TabIndex         = 50
    Top              = 1680
    Width            = 2535
    Begin VB.CommandButton cmdHVDeactivate
        Caption       = "Deactivate"
        Height        = 495
        Left          = 1320
        TabIndex      = 9
        Top           = 360
        Width         = 975
    End
    Begin VB.CommandButton cmdHVActivate
        Caption       = "Activate"
        Height        = 495
        Left          = 240
        TabIndex      = 8
        Top           = 360
        Width         = 975
    End
End
Begin VB.Frame fraFeatures
    Caption          = "Features"
    Height           = 1020
    Left             = 2880
    TabIndex         = 43
    Top              = 2160
    Width            = 2535
    Begin VB.Label lbNrMailClass
        Caption       = "4"
        Height        = 255
        Left          = 1600
        TabIndex      = 49
        Top           = 720
        Width         = 900
    End
    Begin VB.Label lbMargin
        Caption       = "Yes"
        Height        = 255
        Left          = 1600
        TabIndex      = 48
        Top           = 480
        Width         = 900
    End
    Begin VB.Label lbAutoDate
        Caption       = "Yes"
        Height        = 255
        Left          = 1600
        TabIndex      = 47
        Top           = 240
        Width         = 900
    End
    Begin VB.Label lbNrMailClassLabel

```

```

Caption      = "Nr. of Mail Classes:"
Height       = 255
Left         = 120
TabIndex     = 46
Top          = 720
Width        = 1400
End
Begin VB.Label lbMarginLable
Caption      = "Margin settable:"
Height       = 255
Left         = 120
TabIndex     = 45
Top          = 480
Width        = 1400
End
Begin VB.Label lbAutoDateLabel
Caption      = "Automatic date:"
Height       = 255
Left         = 120
TabIndex     = 44
Top          = 240
Width        = 1400
End
End
Begin VB.Frame fraBase
Caption      = "Base"
Height       = 1020
Left         = 240
TabIndex     = 38
Top          = 2160
Width        = 2535
Begin VB.Label lbBaseSoftware
Caption      = "00000000B"
Height       = 255
Left         = 1000
TabIndex     = 42
Top          = 600
Width        = 1500
End
Begin VB.Label lbBaseModel
Caption      = "B335P"
Height       = 255
Left         = 1000
TabIndex     = 41
Top          = 300
Width        = 1500
End
Begin VB.Label lbSoftwareLabel
Caption      = "Software:"
Height       = 255
Left         = 120
TabIndex     = 40
Top          = 600
Width        = 700
End
Begin VB.Label lbModelLabel
Caption      = "Model:"
Height       = 255
Left         = 120
TabIndex     = 39
Top          = 300

```

```

        Width          = 700
    End
End
Begin VB.Frame fraPrintImage
    Caption          = "Print image"
    Height           = 1500
    Left              = 2880
    TabIndex          = 27
    Top               = 480
    Width             = 2535
    Begin VB.Label lbPrintImage
        Caption       = "99999.00"
        Height        = 255
        Left          = 1500
        TabIndex      = 37
        Top           = 1200
        Width         = 1000
    End
    Begin VB.Label lbLastDecade
        Caption       = "0..9"
        Height        = 255
        Left          = 1500
        TabIndex      = 36
        Top           = 960
        Width         = 1000
    End
    Begin VB.Label lbFixZeros
        Caption       = "2"
        Height        = 255
        Left          = 1500
        TabIndex      = 35
        Top           = 720
        Width         = 1000
    End
    Begin VB.Label lbDecPos
        Caption       = "2"
        Height        = 255
        Left          = 1500
        TabIndex      = 34
        Top           = 480
        Width         = 1000
    End
    Begin VB.Label lbNrDecades
        Caption       = "5"
        Height        = 255
        Left          = 1500
        TabIndex      = 33
        Top           = 240
        Width         = 1000
    End
    Begin VB.Label lbPrintImageLabel
        Caption       = "Print image:"
        Height        = 255
        Left          = 120
        TabIndex      = 32
        Top           = 1200
        Width         = 1300
    End
    Begin VB.Label lbLastDecadeLabel
        Caption       = "Last decade type:"
        Height        = 255

```

```

        Left            = 120
        TabIndex        = 31
        Top             = 960
        Width           = 1300
    End
    Begin VB.Label lbFixZerosLabel
        Caption          = "Nr. of fixed zeros:"
        Height           = 255
        Left             = 120
        TabIndex        = 30
        Top             = 720
        Width           = 1300
    End
    Begin VB.Label lbDecPosLabel
        Caption          = "Decimal position:"
        Height           = 255
        Left             = 120
        TabIndex        = 29
        Top             = 480
        Width           = 1300
    End
    Begin VB.Label lbNrDecadesLabel
        Caption          = "Nr. of decades:"
        Height           = 255
        Left             = 120
        TabIndex        = 28
        Top             = 240
        Width           = 1300
    End
End
Begin VB.Frame fraGeneral
    Caption            = "General"
    Height             = 1500
    Left               = 240
    TabIndex          = 18
    Top               = 480
    Width             = 2535
    Begin VB.Label lbFMSoftware
        Caption          = "JPAB005H"
        Height           = 255
        Left             = 1200
        TabIndex        = 26
        Top             = 720
        Width           = 1300
    End
    Begin VB.Label lbSerialNr
        Caption          = "123456"
        Height           = 255
        Left             = 1200
        TabIndex        = 25
        Top             = 480
        Width           = 1300
    End
    Begin VB.Label lbFMType
        Caption          = "F3XXPLUS"
        Height           = 255
        Left             = 1200
        TabIndex        = 24
        Top             = 240
        Width           = 1300
    End
End

```

```

Begin VB.Label lbApplication
    Caption      = "Auto Tax with Acquisition Tax"
    Height       = 495
    Left         = 1200
    TabIndex     = 23
    Top          = 960
    Width        = 1300
End
Begin VB.Label lbApplicationLabel
    Caption      = "Application:"
    Height       = 255
    Left         = 120
    TabIndex     = 22
    Top          = 960
    Width        = 1000
End
Begin VB.Label lbFMSoftwareLabel
    Caption      = "FM Software:"
    Height       = 255
    Left         = 120
    TabIndex     = 21
    Top          = 720
    Width        = 1000
End
Begin VB.Label lbSerialNrLabel
    Caption      = "Serial Nr.:"
    Height       = 255
    Left         = 120
    TabIndex     = 20
    Top          = 480
    Width        = 1000
End
Begin VB.Label lbFMTypeLabel
    Caption      = "FM Type:"
    Height       = 255
    Left         = 120
    TabIndex     = 19
    Top          = 240
    Width        = 1000
End
End
Begin VB.Frame fraFrankingModes
    Caption      = "Franking Modes"
    Height       = 600
    Left         = 2880
    TabIndex     = 16
    Top          = 3360
    Width        = 2535
    Begin VB.Label lbFrankModes
        Caption    = "Normal / Tapes / Letters / Items"
        Height     = 255
        Left       = 120
        TabIndex   = 17
        Top        = 300
        Width      = 2380
    End
End
Begin VB.Frame fraFrankMenu
    Caption      = "Franking menu"
    Height       = 1095
    Left         = -74760

```

```

TabIndex      = 15
Top           = 1680
Width        = 2055
Begin VB.CommandButton cmdFrankMenuUnLock
    Caption      = "Unlock"
    Height       = 495
    Left        = 1080
    TabIndex     = 3
    Top         = 360
    Width       = 735
End
Begin VB.CommandButton cmdFrankMenuLock
    Caption      = "Lock"
    Height       = 495
    Left        = 240
    TabIndex     = 2
    Top         = 360
    Width       = 735
End
End
Begin VB.Frame fraDescReg
    Caption      = "Descending register"
    Height       = 1095
    Left        = -74760
    TabIndex     = 14
    Top         = 480
    Width       = 2055
    Begin VB.CommandButton cmdDescRegHide
        Caption      = "Hide"
        Height       = 495
        Left        = 1080
        TabIndex     = 1
        Top         = 360
        Width       = 735
    End
    Begin VB.CommandButton cmdDescRegShow
        Caption      = "Show"
        Height       = 495
        Left        = 240
        TabIndex     = 0
        Top         = 360
        Width       = 735
    End
End
End
Begin VB.CommandButton cmdClose
    Cancel       = -1 'True
    Caption      = "Close"
    Height       = 375
    Left        = 4680
    TabIndex     = 12
    Top         = 4455
    Width       = 1095
End
End
Attribute VB_Name = "frmConfig"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
' frmConfig displays the properties of the connected

```

' Franking Machine and allows to change its settings.

Option Explicit

```
Private Sub cmdClose_Click()  
    Unload Me  
End Sub
```

```
Private Sub cmdDescRegHide_Click()  
    Dim Config As New FMCTRLLib.FMConfig           'Create an new FMConfig  
object  
On Error GoTo ErrorHandler:                       'Jump to ErrorHandler in  
case of an error  
    Screen.MousePointer = vbHourglass            'Show hourglass mouse  
pointer  
    Config.ActiveConnection = fMainForm.Con       'Define the connection  
to be used by Config  
  
    Config.DescRegHide                             'Hide Descending  
register  
  
    Screen.MousePointer = vbDefault               'Show default mouse  
pointer  
    Set Config = Nothing                          'Disassociate Config  
object  
    Exit Sub  
ErrorHandler:  
    Screen.MousePointer = vbDefault               'Show default mouse  
pointer  
    ErrorHandler                                 'Handle errors (show  
appropriate message)  
    Set Config = Nothing                          'Disassociate Config  
object  
End Sub
```

```
Private Sub cmdDescRegShow_Click()                'See Sub  
cmdDescRegHide_Click for commentary (same structure)  
    Dim Config As New FMCTRLLib.FMConfig  
On Error GoTo ErrorHandler:  
    Screen.MousePointer = vbHourglass  
    Config.ActiveConnection = fMainForm.Con  
  
    Config.DescRegShow                             'Show Descending  
registier  
  
    Screen.MousePointer = vbDefault  
    Set Config = Nothing  
    Exit Sub  
ErrorHandler:  
    Screen.MousePointer = vbDefault  
    ErrorHandler  
    Set Config = Nothing  
End Sub
```

```
Private Sub cmdFrankMenuLock_Click()              'See Sub  
cmdDescRegHide_Click for commentary (same structure)  
    Dim Config As New FMCTRLLib.FMConfig  
On Error GoTo ErrorHandler:  
    Screen.MousePointer = vbHourglass  
    Config.ActiveConnection = fMainForm.Con
```



```

Config.FrankMenuLock                                     'Lock Franking menu

Screen.MousePointer = vbDefault
Set Config = Nothing
Exit Sub
ErrorHandler:
Screen.MousePointer = vbDefault
ErrorHandler
Set Config = Nothing
End Sub

Private Sub cmdFrankMenuUnlock_Click()                   'See Sub
cmdDescRegHide_Click for commentary (same structure)
Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
Screen.MousePointer = vbHourglass
Config.ActiveConnection = fMainForm.Con

Config.FrankMenuUnlock                                   'Unlock Franking menu

Screen.MousePointer = vbDefault
Set Config = Nothing
Exit Sub
ErrorHandler:
Screen.MousePointer = vbDefault
ErrorHandler
Set Config = Nothing
End Sub

Private Sub cmdHVActivate_Click()                         'See Sub
cmdDescRegHide_Click for commentary (same structure)
Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
Screen.MousePointer = vbHourglass
Config.ActiveConnection = fMainForm.Con

Config.HVLimitActivate                                   'Activate High Value
limit

Screen.MousePointer = vbDefault
Set Config = Nothing
Exit Sub
ErrorHandler:
Screen.MousePointer = vbDefault
ErrorHandler
Set Config = Nothing
End Sub

Private Sub cmdHVDeactivate_Click()                       'See Sub
cmdDescRegHide_Click for commentary (same structure)
Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
Screen.MousePointer = vbHourglass
Config.ActiveConnection = fMainForm.Con

Config.HVLimitDeactivate                                 'Deactivate High Value
limit

Screen.MousePointer = vbDefault
Set Config = Nothing
Exit Sub

```

```

ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

Private Sub cmdKeyboardLock_Click() 'See Sub
cmdDescRegHide_Click for commentary (same structure)
    Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
    Screen.MousePointer = vbHourglass
    Config.ActiveConnection = fMainForm.Con

    Config.KeyboardLock 'Lock FM keyboard

    Screen.MousePointer = vbDefault
    Set Config = Nothing
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

Private Sub cmdKeyboardUnlock_Click() 'See Sub
cmdDescRegHide_Click for commentary (same structure)
    Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
    Screen.MousePointer = vbHourglass
    Config.ActiveConnection = fMainForm.Con

    Config.KeyboardUnlock 'Unlock FM keyboard

    Screen.MousePointer = vbDefault
    Set Config = Nothing
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

Private Sub cmdLowCreditWarnActivate_Click() 'See Sub
cmdDescRegHide_Click for commentary (same structure)
    Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
    Screen.MousePointer = vbHourglass
    Config.ActiveConnection = fMainForm.Con

    Config.WarningLowCreditActivate 'Activate Low Credig
warning

    Screen.MousePointer = vbDefault
    Set Config = Nothing
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

```

```

Private Sub cmdLowCreditWarnDeactivate_Click() 'See Sub
cmdDescRegHide_Click for commentary (same structure)
    Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
    Screen.MousePointer = vbHourglass
    Config.ActiveConnection = fMainForm.Con

    Config.WarningLowCreditDeactivate           'Deactivate Low Credit
warning

    Screen.MousePointer = vbDefault
    Set Config = Nothing
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

Private Sub cmdUserTimeoutActivate_Click() 'See Sub
cmdDescRegHide_Click for commentary (same structure)
    Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
    Screen.MousePointer = vbHourglass
    Config.ActiveConnection = fMainForm.Con

    Config.UserTimeoutActivate                 'Activate User Timeout

    Screen.MousePointer = vbDefault
    Set Config = Nothing
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

Private Sub cmdUserTimeoutDeactivate_Click() 'See Sub
cmdDescRegHide_Click for commentary (same structure)
    Dim Config As New FMCTRLLib.FMConfig
On Error GoTo ErrorHandler:
    Screen.MousePointer = vbHourglass
    Config.ActiveConnection = fMainForm.Con

    Config.UserTimeoutDeactivate               'Deactivate User Timeout

    Screen.MousePointer = vbDefault
    Set Config = Nothing
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    ErrorHandler
    Set Config = Nothing
End Sub

```

VERSION 5.00

Begin VB.Form frmCounters

BorderStyle = 3 'Fixed Dialog  
Caption = "Dialog Caption"  
ClientHeight = 2520  
ClientLeft = 2760  
ClientTop = 3750  
ClientWidth = 5775  
Icon = "frmCounters.frx":0000  
LinkTopic = "Form1"  
MaxButton = 0 'False  
MinButton = 0 'False  
ScaleHeight = 2520  
ScaleWidth = 5775  
ShowInTaskbar = 0 'False  
StartupPosition = 1 'CenterOwner

Begin VB.Frame Frame2

Caption = "Batch counter"  
Height = 1695  
Left = 2760  
TabIndex = 5  
Top = 120  
Width = 2895

Begin VB.CommandButton cmdBatchActivate

Caption = "&Activate"  
Height = 375  
Left = 1920  
TabIndex = 1  
Top = 240  
Width = 855

End

Begin VB.CommandButton cmdBatchClear

Caption = "&Clear"  
Height = 375  
Left = 1920  
TabIndex = 3  
Top = 1200  
Width = 855

End

Begin VB.CommandButton cmdBatchRead

Caption = "&Read"  
Height = 375  
Left = 1920  
TabIndex = 2  
Top = 720  
Width = 855

End

Begin VB.Label lbBatchItems

Alignment = 1 'Right Justify  
Caption = "4578"  
Height = 255  
Left = 840  
TabIndex = 17  
Top = 1200  
Width = 855

End

Begin VB.Label lbBatchActiveLabel

Caption = "Active:"  
Height = 255  
Left = 240  
TabIndex = 16

```

        Top          = 480
        Width        = 495
    End
    Begin VB.Label lbBatchValue
        Alignment      = 1 'Right Justify
        Caption        = "4567899"
        Height         = 255
        Left           = 840
        TabIndex       = 15
        Top            = 840
        Width          = 855
    End
    Begin VB.Label lbBatchActive
        Alignment      = 1 'Right Justify
        Caption        = "Yes"
        Height         = 255
        Left           = 840
        TabIndex       = 14
        Top            = 480
        Width          = 855
    End
    Begin VB.Label lbBatchValueLabel
        Caption        = "Value:"
        Height         = 255
        Left           = 240
        TabIndex       = 7
        Top            = 840
        Width          = 495
    End
    Begin VB.Label lbBatchItemsLabel
        Caption        = "Items:"
        Height         = 255
        Left           = 240
        TabIndex       = 6
        Top            = 1200
        Width          = 495
    End
    End
    Begin VB.Frame Frame1
        Caption        = "Postal counter"
        Height         = 1695
        Left           = 120
        TabIndex       = 4
        Top            = 120
        Width          = 2535
    End
    Begin VB.Label lbItems
        Alignment      = 1 'Right Justify
        Caption        = "9'999'999"
        Height         = 255
        Left           = 1200
        TabIndex       = 13
        Top            = 1200
        Width          = 1095
    End
    End
    Begin VB.Label lbDescending
        Alignment      = 1 'Right Justify
        Caption        = "9'999'999.00"
        Height         = 255
        Left           = 1200
        TabIndex       = 12
        Top            = 840
    End

```

```

        Width          = 1095
    End
    Begin VB.Label lbAscending
        Alignment        = 1 'Right Justify
        Caption          = "9'999'999.00"
        Height           = 255
        Left             = 1200
        TabIndex         = 11
        Top              = 480
        Width            = 1095
    End
    Begin VB.Label lbItemsLabel
        Caption          = "Items:"
        Height           = 255
        Left             = 240
        TabIndex         = 10
        Top              = 1200
        Width            = 975
    End
    Begin VB.Label lbDescendingLabel
        Caption          = "Descending:"
        Height           = 255
        Left             = 240
        TabIndex         = 9
        Top              = 840
        Width            = 975
    End
    Begin VB.Label lbAscendingLabel
        Caption          = "Ascending:"
        Height           = 255
        Left             = 240
        TabIndex         = 8
        Top              = 480
        Width            = 975
    End
End
Begin VB.CommandButton cmdClose
    Cancel              = -1 'True
    Caption             = "Close"
    Height              = 375
    Left                = 4440
    TabIndex            = 0
    Top                 = 2040
    Width               = 1215
End
End
Attribute VB_Name = "frmCounters"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
'frmCounters displays the current values of the counters
'and allows to control the Batch Counter of the FM.

Option Explicit

'Activates Batch Counter (switch it ON)

Private Sub cmdBatchActivate_Click()
    Dim Actions As New FMCTRLLib.FMActions 'Create an new FMActions
    object

```

```

On Error GoTo ErrorHandler:
case of an error
    Screen.MousePointer = vbHourglass
pointer
    Actions.ActiveConnection = fMainForm.Con
to be used by Actions

    Actions.BatchCounterActivate
Counter in the FM

    Screen.MousePointer = vbDefault
pointer
    Set Actions = Nothing
object
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
pointer
    ErrorHandler
appropriate message)
    Set Actions = Nothing
object
End Sub

'Clears the Batch Counter and displays the counter values and state
(ON/OFF) before the clearing

Private Sub cmdBatchClear_Click()
    Dim Actions As New FMCTRLLib.FMActions
object
    Dim strFormatMask As String
    Dim bOn As Boolean
    Dim nItems As Long
    Dim cValue As Currency
    On Error GoTo ErrorHandler:
case of an error
    Screen.MousePointer = vbHourglass
pointer
    Actions.ActiveConnection = fMainForm.Con
to be used by Actions

    strFormatMask = CreateCurrencyFormatMask
displaying money values

    Actions.BatchCounterClear bOn, nItems, cValue
and receive its values before the clearing

    lbBatchActive = BoolToYesNo(bOn)
counter values before clear
    lbBatchValue = Format(cValue, strFormatMask)
    lbBatchItems = Format(nItems, "##,##0")

    Screen.MousePointer = vbDefault
pointer
    Set Actions = Nothing
object
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
pointer
    ErrorHandler

```

```

'Jump to ErrorHandler in
'Show hourglass mouse
'Define the connection
'Activate the Batch
'Show default mouse
'Disassociate Actions
'Show default mouse
'Handle errors (show
'Disassociate Actions
'Create an new FMActions
'Define needed variables
'Jump to ErrorHandler in
'Show hourglass mouse
'Define the connection
'Create format mask for
'Clear Batch Couter
'Display the last
'Disassociate Actions
'Show default mouse
'Handle errors (show

```

```

appropriate message)
    Set Actions = Nothing
object
End Sub
'Disassociate Actions

```

```

'Reads the current counter values and state (ON/OFF)

```

```

Private Sub cmdBatchRead_Click()
cmdBatchClear_Click for commentary (same structure)
    Dim Actions As New FMCTRLLib.FMActions
    Dim strFormatMask As String
    Dim bOn As Boolean
    Dim nItems As Long
    Dim cValue As Currency
    On Error GoTo ErrorHandler:
        Screen.MousePointer = vbHourglass
        Actions.ActiveConnection = fMainForm.Con

        strFormatMask = CreateCurrencyFormatMask

        Actions.BatchCounterRead bOn, nItems, cValue
from FM
        'Read Batch Counter

        lbBatchActive = BoolToYesNo(bOn)
        'Display Batch
Counter values
        lbBatchValue = Format(cValue, strFormatMask)
        lbBatchItems = Format(nItems, "##,##0")

        Screen.MousePointer = vbDefault
        Set Actions = Nothing
        Exit Sub
ErrorHandler:
        Screen.MousePointer = vbDefault
        ErrorHandler
        Set Actions = Nothing
End Sub

Private Sub cmdClose_Click()
    Unload Me
End Sub

```



VERSION 5.00

Begin VB.Form frmDateTime

BorderStyle = 3 'Fixed Dialog  
Caption = "Date & Time"  
ClientHeight = 1680  
ClientLeft = 2760  
ClientTop = 3750  
ClientWidth = 2535  
Icon = "frmDateTime.frx":0000  
LinkTopic = "Form1"  
MaxButton = 0 'False  
MinButton = 0 'False  
ScaleHeight = 1680  
ScaleWidth = 2535  
ShowInTaskbar = 0 'False  
StartupPosition = 1 'CenterOwner

Begin VB.Frame fraDateTime

Caption = "FM system date & time (local)"  
Height = 975  
Left = 120  
TabIndex = 2  
Top = 120  
Width = 2295

Begin VB.Label lbDateTime

Alignment = 2 'Center  
BackStyle = 0 'Transparent  
Caption = "25.12.00 13:25:34"  
Height = 255  
Left = 120  
TabIndex = 3  
Top = 480  
Width = 2055

End

End

Begin VB.CommandButton cmdRefresh

Caption = "&Refresh"  
Default = -1 'True  
Height = 375  
Left = 120  
TabIndex = 0  
Top = 1200  
Width = 1095

End

Begin VB.CommandButton cmdClose

Cancel = -1 'True  
Caption = "Close"  
Height = 375  
Left = 1320  
TabIndex = 1  
Top = 1200  
Width = 1095

End

End

Attribute VB\_Name = "frmDateTime"

Attribute VB\_GlobalNameSpace = False

Attribute VB\_Creatable = False

Attribute VB\_PredeclaredId = True

Attribute VB\_Exposed = False

'frmDateTime displays the current local system time and date.

'The display can be updated by clicking a button.

Option Explicit

Private Sub cmdClose\_Click()

Unload Me

End Sub

'Read and display the current FM system time

Public Sub cmdRefresh\_Click()

Dim Actions As New FMCTRLLib.FMActions  
FMActions object

On Error GoTo ErrorHandler:  
in case of an error

Screen.MousePointer = vbHourglass  
pointer

Actions.ActiveConnection = fMainForm.Con  
connection to be used by Actions

lbDateTime.Caption = Actions.GetTimeDate  
from FM

Screen.MousePointer = vbDefault  
pointer

Set Actions = Nothing  
object

Exit Sub

ErrorHandler:

Unload Me

Screen.MousePointer = vbDefault  
pointer

ErrorHandler  
appropriate message)

Set Actions = Nothing

object

End Sub

'Create an new

'Jump to ErrorHandler

'Show hourglass mouse

'Define the

'read Date and time

'Show default mouse

'Disassociate Actions

'Show default mouse

'Handle errors (show

'Disassociate Actions

```

VERSION 5.00
Object = "{831FDD16-0C5C-11D2-A9FC-0000F8754DA1}#2.0#0";
"MSCOMCTL.OCX"
Begin VB.Form frmFranking
    BorderStyle      = 3    'Fixed Dialog
    Caption          = "Franking"
    ClientHeight     = 4440
    ClientLeft       = 2760
    ClientTop        = 3750
    ClientWidth      = 6975
    Icon             = "frmFranking.frx":0000
    LinkTopic        = "Form1"
    MaxButton        = 0    'False
    MinButton        = 0    'False
    ScaleHeight      = 4440
    ScaleWidth       = 6975
    ShowInTaskbar    = 0    'False
    StartUpPosition = 1    'CenterOwner
    Begin MSComctlLib.StatusBar sbStatusBar
        Align        = 2    'Align Bottom
        Height       = 255
        Left        = 0
        TabIndex     = 19
        Top         = 4185
        Width       = 6975
        _ExtentX    = 12303
        _ExtentY    = 450
        Style       = 1
        SimpleText   = "Ready"
        _Version    = 393216
    EndProperty
    BeginProperty Panels {8E3867A5-8586-11D1-B16A-00C0F0283628}
        NumPanels      = 1
        BeginProperty Panel1 {8E3867AB-8586-11D1-B16A-00C0F0283628}
        EndProperty
    EndProperty
End
Begin VB.CommandButton cmdClearList
    Caption          = "&Clear list"
    Height           = 375
    Left            = 5640
    TabIndex        = 9
    Top             = 2280
    Width           = 1215
End
Begin MSComctlLib.ListView lvFrankings
    Height          = 1815
    Left           = 120
    TabIndex       = 8
    TabStop        = 0    'False
    ToolTipText    = "Frankings"
    Top            = 2280
    Width         = 5415
    _ExtentX      = 9551
    _ExtentY      = 3201
    View          = 3
    LabelWrap      = 0    'False
    HideSelection  = -1    'True
    FullRowSelect  = -1    'True
    GridLines      = -1    'True
    _Version       = 393217
    ForeColor      = -2147483640
    BackColor      = -2147483643
    BorderStyle    = 1
    Appearance     = 1
    NumItems       = 5
    BeginProperty ColumnHeader(1) {BDD1F052-858B-11D1-B16A-

```

```

00C0F0283628}
    Key = "Dummy"
    Text = "Dummy"
    Object.Width = 0
EndProperty
BeginProperty ColumnHeader(2) {BDD1F052-858B-11D1-B16A-
00C0F0283628}
    Alignment = 1
    SubItemIndex = 1
    Key = "Number"
    Text = "#"
    Object.Width = 1058
EndProperty
BeginProperty ColumnHeader(3) {BDD1F052-858B-11D1-B16A-
00C0F0283628}
    Alignment = 1
    SubItemIndex = 2
    Key = "Postage"
    Text = "Postage"
    Object.Width = 1764
EndProperty
BeginProperty ColumnHeader(4) {BDD1F052-858B-11D1-B16A-
00C0F0283628}
    Alignment = 1
    SubItemIndex = 3
    Key = "JobRest"
    Text = "Presel. rest"
    Object.Width = 1764
EndProperty
BeginProperty ColumnHeader(5) {BDD1F052-858B-11D1-B16A-
00C0F0283628}
    SubItemIndex = 4
    Key = "Status"
    Text = "Status"
    Object.Width = 3528
EndProperty
End
Begin VB.CommandButton cmdGoQuiet
    Caption = "Go &Quiet"
    Height = 375
    Left = 5640
    TabIndex = 7
    Top = 720
    Width = 1215
End
Begin VB.Frame fraSettings
    Caption = "Settings"
    Height = 1815
    Left = 120
    TabIndex = 11
    Top = 120
    Width = 5415
Begin VB.TextBox txtPreselectionDpt
    Alignment = 1 'Right Justify
    Height = 285
    Left = 4200
    MaxLength = 3
    TabIndex = 5
    Text = "0"
    Top = 1320
    Width = 375
End
Begin VB.TextBox txtMargin
    Alignment = 1 'Right Justify
    Height = 285
    Left = 4200

```

```

        MaxLength      = 3
        TabIndex       = 3
        Text           = "20"
        Top            = 840
        Width          = 375
    End
    Begin VB.TextBox txtDptAcq
        Alignment       = 1 'Right Justify
        Height          = 285
        Left            = 4200
        TabIndex        = 1
        Text            = "9'999'900"
        Top             = 360
        Width           = 975
    End
    Begin VB.TextBox txtPostage
        Alignment       = 1 'Right Justify
        Height          = 285
        Left            = 1560
        TabIndex        = 0
        Text            = "9'999'900"
        Top             = 360
        Width           = 975
    End
    Begin VB.ComboBox cmbFrankMode
        Height          = 315
        ItemData        = "frmFranking.frx":0442
        Left            = 1560
        List            = "frmFranking.frx":0444
        Style           = 2 'Dropdown List
        TabIndex        = 4
        Top             = 1320
        Width           = 1215
    End
    Begin VB.ComboBox cmbMailClass
        Height          = 315
        Left            = 1560
        Style           = 2 'Dropdown List
        TabIndex        = 2
        Top             = 840
        Width           = 1215
    End
    Begin VB.Label lbPreselectionDpt
        Alignment       = 1 'Right Justify
        BackStyle       = 0 'Transparent
        Caption         = "Preselection:"
        Height          = 255
        Left            = 2880
        TabIndex        = 17
        Top             = 1380
        Width           = 1215
    End
    Begin VB.Label lbMargin
        Alignment       = 1 'Right Justify
        BackStyle       = 0 'Transparent
        Caption         = "Margin:"
        Height          = 255
        Left            = 2880
        TabIndex        = 16
        Top             = 900
        Width           = 1215
    End
    Begin VB.Label lbFrankMode
        Alignment       = 1 'Right Justify
        BackStyle       = 0 'Transparent
        Caption         = "Franking Mode:"

```

```

        Height      = 255
        Left        = 240
        TabIndex    = 15
        Top         = 1380
        Width       = 1215
    End
    Begin VB.Label lbMailClass
        Alignment     = 1 'Right Justify
        BackStyle     = 0 'Transparent
        Caption       = "Mail Class:"
        Height        = 255
        Left          = 240
        TabIndex      = 14
        Top           = 900
        Width         = 1215
    End
    Begin VB.Label lbDptAcq
        Alignment     = 1 'Right Justify
        BackStyle     = 0 'Transparent
        Caption       = "Acquisition Tax:"
        Height        = 255
        Left          = 2880
        TabIndex      = 13
        Top           = 420
        Width         = 1215
    End
    Begin VB.Label lbPostage
        Alignment     = 1 'Right Justify
        BackStyle     = 0 'Transparent
        Caption       = "Auto Tax:"
        Height        = 255
        Left          = 240
        TabIndex      = 12
        Top           = 420
        Width         = 1215
    End
    End
End
Begin VB.CommandButton cmdClose
    Cancel          = -1 'True
    Caption         = "Close"
    Height          = 375
    Left            = 5640
    TabIndex        = 10
    Top             = 3720
    Width           = 1215
End
Begin VB.CommandButton cmdSetDecades
    Caption         = "&Set Decades"
    Default         = -1 'True
    Height          = 375
    Left            = 5640
    TabIndex        = 6
    Top             = 240
    Width           = 1215
End
Begin VB.Label lbFrankings
    BackStyle       = 0 'Transparent
    Caption         = "Frankings:"
    Height          = 255
    Left            = 120
    TabIndex        = 18
    Top             = 2040
    Width           = 855
End
End
Attribute VB_Name = "frmFranking"

```

```

Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
'frmFranking provides the GUI for setting the FM ready for Franking.
'In addition it contains a list of the Frankings that have been
released.

```

```

Option Explicit

```

```

'Enable or disable the Preselection field depending on the chosen
'Franking Mode and set the field to a valid value.

```

```

Private Sub cmbFrankMode_Click()
    If cmbFrankMode.ItemData(cmbFrankMode.ListIndex) = 0 Then    'If
Franking Mode = Normal
        txtPreselectionDpt.Enabled = False
'Disable Preselection field
        txtPreselectionDpt.Text = 0
    Else
        txtPreselectionDpt.Enabled = True
        txtPreselectionDpt.Text = 3
    End If
End Sub

```

```

Private Sub cmdClearList_Click()
    lvFrankings.ListItems.Clear    'Clear the Frankings
list
End Sub

```

```

Private Sub cmdClose_Click()
    Unload Me
End Sub

```

```

'Set FM to QUIET state (not ready for Franking)

```

```

Private Sub cmdGoQuiet_Click()
    Dim Actions As New FMCTRLLib.FMActions    'Create an new
FMActions object
On Error GoTo ErrorHandler:    'Jump to ErrorHandler
in case of an error
    Screen.MousePointer = vbHourglass    'Show hourglass mouse
pointer
    Actions.ActiveConnection = fMainForm.Con    'Define the
connection to be used by Actions

    Actions.GoQuiet    'Set FM to QUIET
state (not ready for Franking)
    frmFranking.sbStatusBar.SimpleText = "Quiet"    'Write to
StatusBar

```

```

    Screen.MousePointer = vbDefault    'Show default mouse
pointer
    Set Actions = Nothing    'Disassociate Actions
object
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault    'Show default mouse
pointer
    ErrorHandler    'Handle errors (show
appropriate message)
    Set Actions = Nothing    'Disassociate Actions
object
End Sub

```

```

'Set the FM ready for Franking

```

```

Private Sub cmdSetDecades_Click()
    Dim Actions As New FMCTRLLib.FMActions      'Create an new
    Dim Config As New FMCTRLLib.FMConfig        'Create an new
    Dim Postage As Currency                     'Define needed
    variables
        Dim AcquisitionTax As Currency
        Dim Department As Long
        Dim MailClass As Integer
        Dim FrankMode As FRANKMODES
        Dim Preselection As Integer
        Dim Margin As Integer
        Dim Ret As RETVALS
        Dim msg As String
    On Error GoTo ErrorHandler:                 'Jump to ErrorHandler
    in case of an error
        Screen.MousePointer = vbHourglass      'Show hourglass mouse
    pointer
        Actions.ActiveConnection = fMainForm.Con 'Define the
    connection to be used by Actions
        Config.ActiveConnection = fMainForm.Con 'Define the
    connection to be used by Config

        If Config.AutoTaxFM Then                'If FM is a special
    Auto Tax application (Japan)
        Postage = CCur(txtPostage.Text)        'Convert the entered
    values
        AcquisitionTax = CCur(txtDptAcq.Text)
        Department = CLng(txtPreselectionDpt.Text)
        Margin = CInt(txtMargin.Text)
        Ret = Actions.SetDecadesTax(Postage, AcquisitionTax,
    Department, Margin) 'Set Decades for Auto Tax FM
        Else
        Postage = CCur(txtPostage.Text)        'Convert the entered
    values
        Department = CLng(txtDptAcq.Text)
        MailClass = cmbMailClass.ListIndex + 1
        FrankMode = IndexToFrankMode(cmbFrankMode.ItemData
    (cmbFrankMode.ListIndex)) 'Convert Franking Mode
        Preselection = CInt(txtPreselectionDpt.Text)
        Margin = CInt(txtMargin.Text)
        Ret = Actions.SetDecades(Postage, Department, MailClass,
    FrankMode, Preselection, Margin) 'Set Decades for Standard FM
        End If

        ProcessRetVal Ret                       'Process the result
    of the Set Decades command (show message if necessary)

        Screen.MousePointer = vbDefault        'Show default mouse
    pointer
        Set Actions = Nothing                  'Disassociate Actions
    object
        Set Config = Nothing                  'Disassociate Config
    object
    Exit Sub
ErrorHandler:
        Screen.MousePointer = vbDefault        'Show default mouse
    pointer
        ErrorHandler                          'Handle errors (show
    appropriate message)
        Set Actions = Nothing                  'Disassociate Actions
    object
        Set Config = Nothing                  'Disassociate Config
    object

```



```

End Sub

'Prepare frmFranking for the application used by the connected FM.
'Some TextBoxes are used for different data entry depending on the
'application (Standard / Auto Tax)

Private Sub Form_Load()
    Dim Config As New FMCTRLLib.FMConfig           'Create an new
    FMConfig object                               'Define the needed
    Dim MCTxts() As String                        'variables
    Dim i As Integer
    On Error GoTo ErrorHandler                    'Jump to ErrorHandler
    in case of an error
    Screen.MousePointer = vbHourglass            'Show hourglass mouse
    pointer
    Config.ActiveConnection = fMainForm.Con       'Define the
    connection to be used by Config

    txtPostage.Text = "0"                        'Initialize
    Postage/AutoTax field
    txtDptAcq.Text = "0"                        'Initialize
    Department/AcquisitionTax field
    If Config.AutoTaxFM = False Then              'If it is a Standard
    application                                    application
        lbPostage.Caption = "Postage:"           'Label the fields
        according to usage
        lbDptAcq.Caption = "Department:"
        lbPreselectionDpt.Caption = "Preselection:"

        If Config.SettableMailClasses > 0 Then    'If any Mail
        Classes are available
            MCTxts = Config.MailClassTexts        'Read Mail
            Class texts form FM
            cmbMailClass.Clear                    'Clear the
            ComboBox
            For i = LBound(MCTxts) To UBound(MCTxts) 'Fill Mail
            Class texts into the ComboBox
                cmbMailClass.AddItem MCTxts(i), i
            Next i
            cmbMailClass.ListIndex = 0             'Initialize
            Mail Class ComboBox (choose 1st entry)
            Else                                    'No
            Mailclasses available
            cmbMailClass.Enabled = False          'Disable Mail
            Class ComboBox
            End If

            cmbFrankMode.Clear
            'Clear Mail Class ComboBox
            If Config.FrankModeAvailNorm Then      'If
            Franking Mode Normal is available
                cmbFrankMode.AddItem "Normal"
            'Insert entry into ComboBox
            cmbFrankMode.ItemData(cmbFrankMode.NewIndex) = 0 'Add
            item data to be able to identify the choosen entry
            End If
            If Config.FrankModeAvailTape Then      'Same
            as above for Franking Mode Tape
                cmbFrankMode.AddItem "Tapes"
                cmbFrankMode.ItemData(cmbFrankMode.NewIndex) = 1
            End If
            If Config.FrankModeAvailLetter Then   'Same
            as above for Franking Mode Letter
                cmbFrankMode.AddItem "Letters"
                cmbFrankMode.ItemData(cmbFrankMode.NewIndex) = 2

```

```

End If
If Config.FrankModeAvailItem Then                                     'Same
as above for Franking Mode Item
    cmbFrankMode.AddItem "Items"
    cmbFrankMode.ItemData(cmbFrankMode.NewIndex) = 3
End If
cmbFrankMode.ListIndex = 0
'Initialize Mail Class ComboBox (choose 1st entry)
cmbFrankMode.Enabled = cmbFrankMode.ListCount > 1
'Enable Franking Mode ComboBox if there is more than one entry
txtPreselectionDpt.MaxLength = 3
'Limit the text length of the Preselection field to 3 (max = "999")
Else ' (AutoTaxFM) 'Auto Tax application
    lbPostage.Caption = "Auto Tax:" 'Label the fields
according to usage
    lbDptAcq.Caption = "Acquisition Tax:"
    lbPreselectionDpt.Caption = "Department:"

    txtPreselectionDpt.Enabled = True 'Enable
the Department field
    txtPreselectionDpt.Width = 975 'Set
width of Department field (more space necessary than for
Preselection)
    txtPreselectionDpt.MaxLength = 0 'No text
length limit
    txtDptAcq.Enabled = Config.AcquisitonTaxAvailable 'Enable
Acquisition Tax field if application supports Acquisition Tax
    cmbMailClass.Enabled = False 'Disable
Mail Class field (Auto Tax does not support Mail Classes)
    cmbFrankMode.Enabled = False 'Disable
Franking Mode field (Auto Tax does not support Franking Modes)
End If ' (AutoTaxFM)

If Config.MarginAvailable Then 'Is Margin settable
    txtMargin.Enabled = True 'Enable TextBox
    txtMargin.Text = "20" 'Set a valid value
Else
    txtMargin.Enabled = False 'Disable TextBox
    txtMargin.Text = "0"
End If

Screen.MousePointer = vbDefault 'Show default mouse
pointer
Set Config = Nothing 'Disassociate Config
object
Exit Sub
ErrorHandler:
Unload Me 'Close frmFranking
Screen.MousePointer = vbDefault 'Show default mouse
pointer
ErrorHandler 'Handle errors (show
appropriate message)
Set Config = Nothing 'Disassociate Config
object
End Sub

Private Sub Form_Unload(Cancel As Integer)
If Len(fMainForm.Con.ConnectionString) <> 0 Then 'If
connection exists
    cmdGoQuiet_Click 'Set FM to
QUIET state (not ready for Franking)
End If
End Sub

Private Sub txtDptAcq_GotFocus()
SelectAll txtDptAcq 'Select the whole

```



VERSION 5.00

Begin VB.Form frmInterface

BorderStyle = 3 'Fixed Dialog  
Caption = "Interface"  
ClientHeight = 1320  
ClientLeft = 2760  
ClientTop = 3750  
ClientWidth = 2775  
Icon = "frmInterface.frx":0000  
LinkTopic = "Form1"  
MaxButton = 0 'False  
MinButton = 0 'False  
ScaleHeight = 1320  
ScaleWidth = 2775  
ShowInTaskbar = 0 'False  
StartUpPosition = 1 'CenterOwner

Begin VB.TextBox txtComPort

Alignment = 1 'Right Justify  
Height = 285  
Left = 1680  
MaxLength = 2  
TabIndex = 0  
Text = "1"  
Top = 240  
Width = 375

End

Begin VB.CommandButton cmdCancel

Cancel = -1 'True  
Caption = "Cancel"  
Height = 375  
Left = 120  
TabIndex = 2  
Top = 840  
Width = 1215

End

Begin VB.CommandButton cmdOK

Caption = "OK"  
Default = -1 'True  
Height = 375  
Left = 1440  
TabIndex = 1  
Top = 840  
Width = 1215

End

Begin VB.Label lbCOMPort

Caption = "COM Port #:"  
Height = 255  
Left = 720  
TabIndex = 3  
Top = 300  
Width = 975

End

End

Attribute VB\_Name = "frmInterface"

Attribute VB\_GlobalNameSpace = False

Attribute VB\_Creatable = False

Attribute VB\_PredeclaredId = True

Attribute VB\_Exposed = False

'frmInterface allows changing the COM Port that is used to  
'connect to the FM.

Option Explicit

Private Sub cmdCancel\_Click()

Unload Me

End Sub

```

Private Sub cmdOK_Click()
On Error GoTo ErrorHandler:
in case of an error
    nComPort = CInt(txtComPort.Text)
Global variable
    Unload Me
frmInterface
    Exit Sub
ErrorHandler:
    ErrorHandler
appropriate message - here usually conversion error)
    txtComPort.SetFocus
End Sub

Private Sub Form_Load()
    txtComPort.Text = CStr(nComPort)
Port # into TextBox
End Sub

Private Sub txtComPort_GotFocus()
    SelectAll txtComPort
text in the TextBox
End Sub

```

'Jump to ErrorHandler

'Save COM Port # in

'Close the

'Handle errors (show

'Write current COM

'Select the whole

VERSION 5.00

Begin VB.Form frmMailClassAdjust

BorderStyle = 3 'Fixed Dialog  
Caption = "Mail Class adjust"  
ClientHeight = 1320  
ClientLeft = 2760  
ClientTop = 3750  
ClientWidth = 3240  
Icon = "frmMailClassAdjust.frx":0000  
LinkTopic = "Form1"  
MaxButton = 0 'False  
MinButton = 0 'False  
ScaleHeight = 1320  
ScaleWidth = 3240  
ShowInTaskbar = 0 'False  
StartPosition = 1 'CenterOwner

Begin VB.ComboBox cmbMailClass

Height = 315  
ItemData = "frmMailClassAdjust.frx":0442  
Left = 1680  
List = "frmMailClassAdjust.frx":0455  
Style = 2 'Dropdown List  
TabIndex = 0  
ToolTipText = "Printed Mail Class"  
Top = 240  
Width = 1455

End

Begin VB.CommandButton CancelButton

Cancel = -1 'True  
Caption = "Close"  
Height = 375  
Left = 1920  
TabIndex = 3  
Top = 840  
Width = 1215

End

Begin VB.CommandButton OKButton

Caption = "&Adjust"  
Default = -1 'True  
Height = 375  
Left = 600  
TabIndex = 1  
Top = 840  
Width = 1215

End

Begin VB.Label lbPrintedMC

Alignment = 1 'Right Justify  
BackStyle = 0 'Transparent  
Caption = "Printed Mail Class:"  
Height = 255  
Left = 240  
TabIndex = 2  
Top = 300  
Width = 1335

End

End

Attribute VB\_Name = "frmMailClassAdjust"

Attribute VB\_GlobalNameSpace = False

Attribute VB\_Creatable = False

Attribute VB\_PredeclaredId = True

Attribute VB\_Exposed = False

'frmMailClassAdjust allows correcting the Mail Class assignment to  
'the Mail Class Cylinder position.

'In rare failure cases the assignment can get wrong. With this  
'function the assignment can be adjusted.

Option Explicit

```
Private Sub CancelButton_Click()  
    Unload Me  
End Sub
```

'Executes Mail Class adjusting

```
Private Sub OKButton_Click()  
    Dim Actions As New FMCTRLLib.FMActions           'Create an new  
    FMConfig object  
    Dim MCTxts() As String                           'Define needed  
    variables  
    Dim nMCCylPos As Integer  
    Dim nEmptyPos As Integer  
    Dim i As Integer  
    On Error GoTo ErrorHandler                       'Jump to ErrorHandler  
    in case of an error  
    Screen.MousePointer = vbHourglass                'Show hourglass mouse  
    pointer  
    Actions.ActiveConnection = fMainForm.Con         'Define the  
    connection to be used by Config  
  
    If cmbMailClass.ListIndex < 0 Then                'If no Mail Class is  
    chosen  
        MsgBox "Please choose a Mail Class.", vbExclamation 'Show  
        message  
    Else  
        Actions.MailClassAdjust cmbMailClass.ListIndex + 1  
    'Adjust Mail Class on FM  
    End If  
  
    Screen.MousePointer = vbDefault                  'Show default mouse  
    pointer  
    Set Actions = Nothing                            'Disassociate Config  
    object  
    Exit Sub  
ErrorHandler:  
    Unload Me  
    Screen.MousePointer = vbDefault                  'Show default mouse  
    pointer  
    ErrorHandler                                     'Handle errors (show  
    appropriate message)  
    Set Actions = Nothing                            'Disassociate Config  
    object  
End Sub
```

```

VERSION 5.00
Object = "{831FDD16-0C5C-11D2-A9FC-0000F8754DA1}#2.0#0";
"Mscomctl.ocx"
Begin VB.Form frmMain
    BackColor           = &H800000005&
    BorderStyle         = 1 'Fixed Single
    Caption             = "FM Control User Application Demo"
    ClientHeight        = 4140
    ClientLeft          = 1410
    ClientTop           = 1410
    ClientWidth         = 7110
    Icon                = "frmMain.frx":0000
    LinkTopic           = "Form1"
    MaxButton           = 0 'False
    ScaleHeight         = 4140
    ScaleWidth          = 7110
    StartUpPosition    = 2 'CenterScreen
    Begin MSComctlLib.Toolbar tbToolBar
        Align           = 1 'Align Top
        Height          = 360
        Left            = 0
        TabIndex        = 1
        Top             = 0
        Width           = 7110
        _ExtentX        = 12541
        _ExtentY        = 635
        ButtonWidth     = 609
        ButtonHeight    = 582
        Appearance      = 1
        Style            = 1
        ImageList       = "imlToolBarIcons"
        _Version        = 393216
    EndProperty
    Buttons {66833FE8-8583-11D1-B16A-00C0F0283628}
        NumButtons      = 15
        BeginProperty Button1 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Key          = "Interface"
            Object.ToolTipText = "Interface (Ctrl+I)"
            ImageKey     = "Interface"
        EndProperty
        BeginProperty Button2 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Style        = 3
        EndProperty
        BeginProperty Button3 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Key          = "Connect"
            Object.ToolTipText = "Connect (F3)"
            ImageKey     = "Connect"
        EndProperty
        BeginProperty Button4 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Key          = "Disconnect"
            Object.ToolTipText = "Disconnect (F4)"
            ImageKey     = "Disconnect"
        EndProperty
        BeginProperty Button5 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Style        = 3
        EndProperty
        BeginProperty Button6 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Key          = "Properties"
            Object.ToolTipText = "Properties (Ctrl+P)"
            ImageKey     = "Properties"
        EndProperty
        BeginProperty Button7 {66833FEA-8583-11D1-B16A-00C0F0283628}
            Key          = "Settings"
            Object.ToolTipText = "Settings (Ctrl+S)"
            ImageKey     = "Settings"
        EndProperty
        BeginProperty Button8 {66833FEA-8583-11D1-B16A-00C0F0283628}

```



```

        Style = 3
    EndProperty
    BeginProperty Button9 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Key = "Franking"
        Object.ToolTipText = "Franking (F5)"
        ImageKey = "Franking"
    EndProperty
    BeginProperty Button10 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Key = "Counters"
        Object.ToolTipText = "Counters (F6)"
        ImageKey = "Counters"
    EndProperty
    BeginProperty Button11 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Key = "DateTime"
        Object.ToolTipText = "Date & Time (F7)"
        ImageKey = "DateTime"
    EndProperty
    BeginProperty Button12 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Key = "MailClass"
        Object.ToolTipText = "Mail Class adjust (F8)"
        ImageKey = "MailClass"
    EndProperty
    BeginProperty Button13 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Key = "TextToDisplay"
        Object.ToolTipText = "Text to display (F9)"
        ImageKey = "TextToDisplay"
    EndProperty
    BeginProperty Button14 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Style = 3
    EndProperty
    BeginProperty Button15 {66833FEA-8583-11D1-B16A-00C0F0283628}
        Key = "About"
        Object.ToolTipText = "About"
        ImageKey = "Help"
    EndProperty
    EndProperty
    MouseIcon = "frmMain.frx":0442
End
Begin MSComctlLib.StatusBar sbStatusBar
    Align = 2 'Align Bottom
    Height = 255
    Left = 0
    TabIndex = 0
    Top = 3885
    Width = 7110
    _ExtentX = 12541
    _ExtentY = 450
    Style = 1
    SimpleText = "Ready"
    _Version = 393216
    BeginProperty Panels {8E3867A5-8586-11D1-B16A-00C0F0283628}
        NumPanels = 3
        BeginProperty Panel1 {8E3867AB-8586-11D1-B16A-00C0F0283628}
            AutoSize = 1
            Object.Width = 7355
            Text = "Status"
            TextSave = "Status"
        EndProperty
        BeginProperty Panel2 {8E3867AB-8586-11D1-B16A-00C0F0283628}
            Style = 6

```

```

        AutoSize          = 2
        TextSave          = "08.09.2000"
    EndProperty
    BeginProperty Panel3 {8E3867AB-8586-11D1-B16A-00C0F0283628}
        Style              = 5
        AutoSize           = 2
        TextSave           = "16:29"
    EndProperty
EndProperty
End
Begin MSComctlLib.ImageList imlToolbarIcons
    Left                   = 6480
    Top                    = 480
    _ExtentX               = 1005
    _ExtentY               = 1005
    BackColor              = 16777215
    ImageWidth             = 16
    ImageHeight            = 16
    MaskColor              = 12632256
    _Version               = 393216
    BeginProperty Images {2C247F25-8591-11D1-B16A-00C0F0283628}
        NumListImages      = 11
        BeginProperty ListImage1 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":0B94
            Key              = "Help"
        EndProperty
        BeginProperty ListImage2 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":0CF2
            Key              = "Counters"
        EndProperty
        BeginProperty ListImage3 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":100C
            Key              = "MailClass"
        EndProperty
        BeginProperty ListImage4 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":145E
            Key              = "Franking"
        EndProperty
        BeginProperty ListImage5 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":18B0
            Key              = "DateTime"
        EndProperty
        BeginProperty ListImage6 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":1D02
            Key              = "Properties"
        EndProperty
        BeginProperty ListImage7 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":2154
            Key              = "TextToDisplay"
        EndProperty
        BeginProperty ListImage8 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":25A6
            Key              = "Connect"
        EndProperty
        BeginProperty ListImage9 {2C247F27-8591-11D1-B16A-00C0F0283628}
            Picture         = "frmMain.frx":2704
            Key              = "Disconnect"
        EndProperty
    EndProperty
End

```

```

        EndProperty
        BeginProperty ListImage10 {2C247F27-8591-11D1-B16A-
00C0F0283628}
            Picture          =    "frmMain.frx":2862
            Key              =    "Interface"
        EndProperty
        BeginProperty ListImage11 {2C247F27-8591-11D1-B16A-
00C0F0283628}
            Picture          =    "frmMain.frx":2974
            Key              =    "Settings"
        EndProperty
    EndProperty
End
Begin VB.PictureBox picAscomLogo
    Appearance      =    0 'Flat
    BackColor       =    &H800000005&
    BorderStyle     =    0 'None
    FillColor       =    &H00FFFFFF&
    ForeColor       =    &H800000005&
    Height          =    592
    Left           =    2520
    Picture         =    "frmMain.frx":2A86
    ScaleHeight     =    585
    ScaleWidth      =    2010
    TabIndex        =    2
    Top            =    3300
    Width          =    2010
End
Begin VB.Label lbSerialNr
    BackColor       =    &H800000005&
    BackStyle       =    0 'Transparent
    Caption         =    "654321"
    BeginProperty Font
        Name        =    "MS Sans Serif"
        Size        =    12
        Charset     =    0
        Weight      =    700
        Underline   =    0 'False
        Italic      =    0 'False
        Strikethrough = 0 'False
    EndProperty
    Height          =    375
    Left           =    3480
    TabIndex        =    6
    Top            =    1680
    Width          =    1455
End
Begin VB.Label lbSerialNrLabel
    BackColor       =    &H800000005&
    BackStyle       =    0 'Transparent
    Caption         =    "Serial Nr.:"
    BeginProperty Font
        Name        =    "MS Sans Serif"
        Size        =    12
        Charset     =    0
        Weight      =    700
        Underline   =    0 'False
        Italic      =    0 'False
        Strikethrough = 0 'False
    EndProperty
    Height          =    375
    Left           =    2160
    TabIndex        =    5
    Top            =    1680
    Width          =    1215
End

```

```

Begin VB.Label lbFMTType
    BackColor      = &H80000005&
    BackStyle      = 0 'Transparent
    Caption        = "F3XXPLUS"
    BeginProperty Font
        Name        = "MS Sans Serif"
        Size        = 12
        Charset     = 0
        Weight      = 700
        Underline   = 0 'False
        Italic      = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height         = 375
    Left           = 3480
    TabIndex       = 4
    Top            = 1200
    Width          = 1455
End
Begin VB.Label lbFMTTypeLabel
    BackColor      = &H80000005&
    BackStyle      = 0 'Transparent
    Caption        = "FM Type:"
    BeginProperty Font
        Name        = "MS Sans Serif"
        Size        = 12
        Charset     = 0
        Weight      = 700
        Underline   = 0 'False
        Italic      = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height         = 375
    Left           = 2160
    TabIndex       = 3
    Top            = 1200
    Width          = 1215
End
Begin VB.Menu mnuSystem
    Caption        = "&System"
    Begin VB.Menu mnuSystemInterface
        Caption     = "&Interface..."
        Shortcut     = ^I
    End
    Begin VB.Menu mnuSystemBar0
        Caption     = "-"
    End
    Begin VB.Menu mnuFileExit
        Caption     = "E&xit"
    End
End
Begin VB.Menu mnuConnection
    Caption        = "&Connection"
    Begin VB.Menu mnuConnectionConnect
        Caption     = "&Connect"
        Shortcut     = {F3}
    End
    Begin VB.Menu mnuConnectionDisconnect
        Caption     = "&Disconnect"
        Shortcut     = {F4}
    End
End
Begin VB.Menu mnuConfig
    Caption        = "C&onfiguration"
    Begin VB.Menu mnuConfigProperties
        Caption     = "&Properties..."
    End
End

```

```

        Shortcut      = ^P
    End
    Begin VB.Menu mnuConfigSettings
        Caption      = "&Settings..."
        Shortcut      = ^S
    End
End
Begin VB.Menu mnuActions
    Caption      = "&Actions"
    Begin VB.Menu mnuActionsFranking
        Caption      = "&Franking..."
        Shortcut      = {F5}
    End
    Begin VB.Menu mnuActionsCounters
        Caption      = "&Counters..."
        Shortcut      = {F6}
    End
    Begin VB.Menu mnuActionsBar0
        Caption      = "-"
    End
    Begin VB.Menu mnuActionsDateTime
        Caption      = "&Date && Time..."
        Shortcut      = {F7}
    End
    Begin VB.Menu mnuActionsMailClassAdjust
        Caption      = "&Mail Class adjust..."
        Shortcut      = {F8}
    End
    Begin VB.Menu mnuActionsTextToDisp
        Caption      = "&Text to display..."
        Shortcut      = {F9}
    End
End
Begin VB.Menu mnuView
    Caption      = "&View"
    Begin VB.Menu mnuViewToolbar
        Caption      = "&Toolbar"
        Checked      = -1 'True
    End
    Begin VB.Menu mnuViewStatusBar
        Caption      = "Status &Bar"
        Checked      = -1 'True
    End
End
Begin VB.Menu mnuHelp
    Caption      = "&Help"
    Begin VB.Menu mnuHelpAbout
        Caption      = "&About..."
    End
End
End
Attribute VB_Name = "frmMain"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
'frmMain is the main window of this application.
'It contains a menu and a toolbar that allow to establish connection,
'disconnect and open the sub forms.
'frmMain contains the Connection object that is used to communicate
with the FM.
'Therefore also all events raised by the FM Control Library
(FMCTRLLib) are
'processed in this form.

Option Explicit

```

```

Public WithEvents Con As FMCTRLLib.Connection 'Define Connection
object variable
Attribute Con.VB_VarHelpID = -1

Public Enum FORMSTATES 'Enumerator for the different states of
the frmMain
    fsConnected
    fsDisconnected
End Enum

Dim nFrankingCounter As Long 'Counter to number the Frankings
Private bDieCoverOpen As Boolean 'Flag indicating whether the Die
Cover is open

'Event, raised whenever the Die Cover is closed

Private Sub Con_OnDieCoverClosed()
    bDieCoverOpen = False 'Reset flag
    sbStatusBar.SimpleText = "Connected" 'Write to
statusbar of frmMain
    frmFranking.sbStatusBar.SimpleText = "Ready" 'Write to
statusbar of frmFranking (does not need to be open)
End Sub

'Event, raised whenever the Die Cover is closed

Private Sub Con_OnDieCoverOpen()
    bDieCoverOpen = True 'Set flag
    sbStatusBar.SimpleText = "Die Cover open" 'Write to
statusbar of frmMain
    frmFranking.sbStatusBar.SimpleText = "Die Cover open" 'Write to
statusbar of frmFranking (does not need to be open)
End Sub

'Event, raised whenever an unexpected disconnection is detected

Private Sub Con_OnDisconnect()
    Dim i As Integer

    SetFormState (fsDisconnected) 'Set frmMain all controls
on frmMain for state Disconnected
    For i = Forms.Count - 1 To 1 Step -1 'Close all sub forms
        Unload Forms(i)
    Next
End Sub

'Event, raised whenever FM goes to QUIET state without having
received an explicit command to do so.
'This happens e.g. when the user timeout has run down.

Private Sub Con_OnQuiet(ByVal StatusCode As FMCTRLLib.RETVALS)
    If Not bDieCoverOpen Then 'Do not
overwrite StatusBar if Die Cover is open
        frmFranking.sbStatusBar.SimpleText = "Quiet" 'Write to
statusbar of frmFranking (does not need to be open)
    End If
    If Not (StatusCode = R_OK) Then
        ProcessRetVal (StatusCode) 'Display a
message for with the message from the high speed base
    End If
End Sub

'Event, raised whenever a Franking is released

Private Sub Con_OnFranking(ByVal Postage As Currency, ByVal JobRest

```

```

As Integer, ByVal StatusCode As FMCTRLLib.RETVALS)
    Dim liItem As ListItem                                'Define the needed
variables
    Dim strJobRest As String

    nFrankingCounter = nFrankingCounter + 1
'Increment the Franking counter
    Set liItem = frmFranking.lvFrankings.ListItems.Add(1)
'Create a new list item on 1st position in the Frankings list on
frmFranking

'Column 0 is not used (1st column must be left aligned, but # should
be right

'aligned, so column 0 has width 0)
    liItem.SubItems(1) = CStr(nFrankingCounter)
'Write # to list item
    liItem.SubItems(2) = Format(Postage, CreateCurrencyFormatMask)
'Write formatted Postage to list item
    If JobRest = -1 Then                                'If no Preselection
(-1)
        strJobRest = "(none)"
    Else
        strJobRest = CStr(JobRest)
    End If
    liItem.SubItems(3) = strJobRest                    'Write
remaining number of items to list item
    liItem.SubItems(4) = RetValToShortText(StatusCode) 'Write
short description of state to list item

    ProcessRetVal (StatusCode)                          'Process StatusCode
(show message if necessary)
End Sub

'Event, raised when no more Tapes are available in Franking Mode
FRK_TAPE

Private Sub Con_OnNoMoreTapes()
    Dim Actions As New FMCTRLLib.FMActions              'Create an new
FMActions object
    Dim msg As String                                  'Define needed
variables
    Dim MsgBoxStyle As VbMsgBoxStyle
On Error GoTo ErrorHandler:                            'Jump to ErrorHandler
in case of an error
    Actions.ActiveConnection = fMainForm.Con           'Define the
connection to be used by Actions

    msg = "No more Tapes. Please refill."              'Prepare MsgBox text
    MsgBoxStyle = vbExclamation + vbRetryCancel        'MsgBox has Retry and
Cancel button

    If vbRetry = MsgBox(msg, MsgBoxStyle) Then          'Show message if
Retry button is pressed
        Screen.MousePointer = vbHourglass             'Show hourglass mouse
pointer
        Actions.TapesPresent                          'Tell FM that tapes
are ready again
    Else                                                'Cancel button
pressed
        Screen.MousePointer = vbHourglass             'Show hourglass mouse
pointer
        Actions.GoQuiet                              'Set FM to Quiet
state (not ready for Franking)
        frmFranking.sbStatusBar.SimpleText = "Quiet"  'Write to
statusbar of frmFranking (does not need to be open)

```

```

End If

Screen.MousePointer = vbDefault           'Show default mouse
pointer
Set Actions = Nothing                     'Disassociate Actions
object
Exit Sub
ErrorHandler:
Screen.MousePointer = vbDefault           'Show default mouse
pointer
ErrorHandler                               'Handle errors (show
appropriate message)
Set Actions = Nothing                     'Disassociate Actions
object
End Sub

'Event, raised whenever a rotor error occurs

Private Sub Con_OnRotorError(ByVal StatusCode As FMCTRLLib.RETVALS)
Dim msg As String

sbStatusBar.SimpleText = "Connected"       'Write to
statusbar of frmMain
frmFranking.sbStatusBar.SimpleText = "Quiet" 'Write to
statusbar of frmFranking (does not need to be open)

msg = "Rotor error!" + Chr(13)             'Prepare message
msg = msg + RetValToText(StatusCode)
MsgBox msg, vbCritical                     'Display message
End Sub

Private Sub Form_Load()
'frmMain is opened centred on the screen
Me.Left = GetSetting(App.Title, "Settings", "MainLeft", 1000)
Me.Top = GetSetting(App.Title, "Settings", "MainTop", 1000)
Me.Width = 7200                             'Define width of
frmMain
Me.Height = 4800                             'Define height of
frmMain

Set Con = New FMCTRLLib.Connection         'Create Connection
object
SetFormState (fsDisconnected)             'Set frmMain all
controls on frmMain for state Disconnected
sbStatusBar.SimpleText = "Ready"           'Write to statusbar
of frmMain
nComPort = 1                               'Initialize COM Port
number
End Sub

'Called before frmMain is closed

Private Sub Form_QueryUnload(Cancel As Integer, UnloadMode As
Integer)
If Con.ConnectionString <> "" Then          'If connection exists
Cancel = True                             'Do not close frmMain
                                           'Show message
MsgBox "Can not exit while connection exists." + Chr(13) +
"Please disconnect.", vbCritical
End If
End Sub

Private Sub Form_Unload(Cancel As Integer)
Dim i As Integer

For i = Forms.Count - 1 To 1 Step -1      'Close all sub forms

```



```

        Unload Forms(i)
    Next
    If Me.WindowState <> vbMinimized Then      'Save window position
in registry
        SaveSetting App.Title, "Settings", "MainLeft", Me.Left
        SaveSetting App.Title, "Settings", "MainTop", Me.Top
    End If
    Set Con = Nothing                          'Disassociate
Connection object
End Sub

'Information is filled into the fields and window is opened.

Private Sub mnuActionsCounters_Click()
    Dim Actions As New FMCTRLLib.FMActions      'Create an new
FMActions object
    Dim strFormatMask As String                  'Define needed
variables
    Dim cAscending As Currency
    Dim cDescending As Currency
    Dim nItems As Long
    Dim bOn As Boolean
    Dim cValue As Currency
On Error GoTo ErrorHandler:                    'Jump to ErrorHandler
in case of an error
    Screen.MousePointer = vbHourglass          'Show hourglass mouse
pointer
    Actions.ActiveConnection = fMainForm.Con    'Define the
connection to be used by Actions

    strFormatMask = CreateCurrencyFormatMask    'Create format mask
for displaying money values

    Actions.GetCounterValues cAscending, cDescending, nItems    'Read
postal counters form FM

    With frmCounters
        .lbAscending.Caption = Format(cAscending, strFormatMask)
'Display postal counters
        .lbDescending.Caption = Format(cDescending, strFormatMask)
        .lbItems.Caption = Format(nItems, "##,##0")

        Actions.BatchCounterRead bOn, nItems, cValue    'Read Batch
Counter from FM

        .lbBatchActive = BoolToYesNo(bOn)              'Display
Batch Counter values
        .lbBatchValue = Format(cValue, strFormatMask)
        .lbBatchItems = Format(nItems, "##,##0")
    End With

    Screen.MousePointer = vbDefault              'Show default mouse
pointer
    Set Actions = Nothing                        'Disassociate Actions
object

    frmCounters.Show vbModal, Me

Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault              'Show default mouse
pointer
    ErrorHandler                                 'Handle errors (show
appropriate message)
    Set Actions = Nothing                        'Disassociate Actions
object

```

End Sub

'Read and display the current FM system time and open window

Private Sub mnuActionsDateTime\_Click()

Dim Actions As New FMCTRLLib.FMActions  
FMActions object

'Create an new

On Error GoTo ErrorHandler:  
in case of an error

'Jump to ErrorHandler

Screen.MousePointer = vbHourglass  
pointer

'Show hourglass mouse

Actions.ActiveConnection = fMainForm.Con  
connection to be used by Actions

'Define the

frmDateTime.lbDateTime.Caption = Actions.GetTimeDate  
Date and time from FM

'read

Screen.MousePointer = vbDefault  
pointer

'Show default mouse

Set Actions = Nothing  
object

'Disassociate Actions

frmDateTime.Show vbModal, Me

Exit Sub

ErrorHandler:

Screen.MousePointer = vbDefault  
pointer

'Show default mouse

ErrorHandler  
appropriate message)

'Handle errors (show

Set Actions = Nothing  
object

'Disassociate Actions

End Sub

'Prepare frmFranking for the application used by the connected FM.  
'Some TextBoxes are used for different data entry depending on the  
'application (Standard / Auto Tax)

Private Sub mnuActionsFranking\_Click()

Dim Config As New FMCTRLLib.FMConfig  
FMConfig object

'Create an new

Dim MCTxts() As String  
variables

'Define the needed

Dim i As Integer  
On Error GoTo ErrorHandler  
in case of an error

'Jump to ErrorHandler

Screen.MousePointer = vbHourglass  
pointer

'Show hourglass mouse

Config.ActiveConnection = fMainForm.Con  
connection to be used by Config

'Define the

With frmFranking

.txtPostage.Text = "0"  
Postage/AutoTax field

'Initialize

.txtDptAcq.Text = "0"  
Department/AcquisitionTax field

'Initialize

If Config.AutoTaxFM = False Then  
Standard application

'If it is a

.lbPostage.Caption = "Postage:"  
according to usage

'Label the fields

.lbDptAcq.Caption = "Department:"

.lbPreselectionDpt.Caption = "Preselection:"

If Config.SettableMailClasses > 0 Then  
Mail Classes are available

'If any

MCTxts = Config.MailClassTexts

'Read

```

Mail Class texts form FM
    .cmbMailClass.Clear
the ComboBox
    For i = LBound(MCTxts) To UBound(MCTxts)
Mail Class texts into the ComboBox
    .cmbMailClass.AddItem MCTxts(i), i
    Next i
    .cmbMailClass.ListIndex = 0
'Initialize Mail Class ComboBox (choose 1st entry)
    Else
Mailclasses available
    .cmbMailClass.Enabled = False
Mail Class ComboBox
    End If

    .cmbFrankMode.Clear
'Clear Mail Class ComboBox
    If Config.FrankModeAvailNorm Then
'If Franking Mode Normal is available
    .cmbFrankMode.AddItem "Normal"
'Insert entry into ComboBox
    .cmbFrankMode.ItemData(.cmbFrankMode.NewIndex) = 0
'Add item data to be able to identify the choosen entry
    End If
    If Config.FrankModeAvailTape Then
'Same as above for Franking Mode Tape
    .cmbFrankMode.AddItem "Tapes"
    .cmbFrankMode.ItemData(.cmbFrankMode.NewIndex) = 1
    End If
    If Config.FrankModeAvailLetter Then
'Same as above for Franking Mode Letter
    .cmbFrankMode.AddItem "Letters"
    .cmbFrankMode.ItemData(.cmbFrankMode.NewIndex) = 2
    End If
    If Config.FrankModeAvailItem Then
'Same as above for Franking Mode Item
    .cmbFrankMode.AddItem "Items"
    .cmbFrankMode.ItemData(.cmbFrankMode.NewIndex) = 3
    End If
    .cmbFrankMode.ListIndex = 0
'Initialize Mail Class ComboBox (choose 1st entry)
    .cmbFrankMode.Enabled = .cmbFrankMode.ListCount > 1
'Enable Franking Mode ComboBox if there is more than one entry
    .txtPreselectionDpt.MaxLength = 3
'Limit the text length of the Preselection field to 3 (max = "999")
    Else
        (AutoTaxFM)
        'Auto Tax
application
        .lbPostage.Caption = "Auto Tax:"
        fields according to usage
        .lbDptAcq.Caption = "Acquisition Tax:"
        .lbPreselectionDpt.Caption = "Department:"

        .txtPreselectionDpt.Enabled = True
'Enable the Department field
        .txtPreselectionDpt.Width = 975
width of Department field (more space necessary than for
Preselection)
        .txtPreselectionDpt.MaxLength = 0
text length limit
        .txtDptAcq.Enabled = Config.AcquisitonTaxAvailable
'Enable Acquisition Tax field if application supports Acquisition Tax
        .cmbMailClass.Enabled = False
'Disable Mail Class field (Auto Tax does not support Mail Classes)
        .cmbFrankMode.Enabled = False
'Disable Franking Mode field (Auto Tax does not support Franking
Modes)

```

```

End If ' (AutoTaxFM)

If Config.MarginAvailable Then
    settable
        .txtMargin.Enabled = True
        .txtMargin.Text = "20"
    value
Else
    .txtMargin.Enabled = False
    .txtMargin.Text = "0"
End If
End With

Screen.MousePointer = vbDefault
pointer
Set Config = Nothing
object

frmFranking.Show vbModal, Me

Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
    pointer
    ErrorHandler
    appropriate message)
    Set Config = Nothing
    object
End Sub

'Prepare GUI for MailClassAdjust depending on the FM configuration
and open window.

Private Sub mnuActionsMailClassAdjust_Click()
    Dim Config As New FMCTRLLib.FMConfig
    FMConfig object
    Dim MCTxts() As String
    variables
    Dim nMCCylPos As Integer
    Dim nEmptyPos As Integer
    Dim i As Integer
    On Error GoTo ErrorHandler
    in case of an error
        Screen.MousePointer = vbHourglass
        pointer
        Config.ActiveConnection = fMainForm.Con
        connection to be used by Config

        If Config.SettableMailClasses > 0 Then
            available
            nMCCylPos = Config.MailClassCylinderPositions
            of positions on Mail Class cylinder from FM
            MCTxts = Config.MailClassTexts
            from FM

            frmMailClassAdjust.cmbMailClass.Clear
            For i = LBound(MCTxts) To UBound(MCTxts)
                texts into ComboBox
                frmMailClassAdjust.cmbMailClass.AddItem MCTxts(i), i
            Next i

            nEmptyPos = nMCCylPos - (UBound(MCTxts) - LBound(MCTxts)) - 1
            'Calculate the number of positions on Mail
            'Class cylinder that are not assigned to a

```

```

'Mail Class text
    For i = 1 To nEmptyPos
        ComboBox with this number of "(no text)" entries
        frmMailClassAdjust.cmbMailClass.AddItem "(no text)"
    Next i
    make all Mail Class cylinder positions available

    Screen.MousePointer = vbDefault
pointer    'Show default mouse
    Set Config = Nothing
object    'Disassociate Config

    frmMailClassAdjust.Show vbModal, Me
Else
    'Open the window
    'No Mail Classes
available
    Screen.MousePointer = vbDefault
pointer    'Show default mouse
    Set Config = Nothing
object    'Disassociate Config

    MsgBox "Mail Classes not available", vbCritical
message    'Show
End If

Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
pointer    'Show default mouse
    ErrorHandler
appropriate message)    'Handle errors (show
    Set Config = Nothing
object    'Disassociate Config
End Sub

Private Sub mnuActionsTextToDisp_Click()
    frmTextToDisplay.Show vbModal, Me
End Sub

Private Sub mnuConnectionConnect_Click()
    Dim strConnectionString As String
    On Error GoTo ErrorHandler:
in case of an error    'Jump to ErrorHandler
    Screen.MousePointer = vbHourglass
pointer    'Show hourglass mouse

    strConnectionString = "COMPORT=" + CStr(nComPort) + ";
    PROTOCOL=MLPV6" 'Compose ConnectionString

    Con.Connect (strConnectionString)
        'Connect to FM

    nFrankingCounter = 0
        'Initialize Franking
    Counter (used to number the Frankings)
    SetFormState (fsConnected)
        'Set frmMain all
    controls on frmMain for state Connected
    Screen.MousePointer = vbDefault
        'Show default mouse
pointer
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault
pointer    'Show default mouse
    ErrorHandler
appropriate message)    'Handle errors (show
    SetFormState (fsDisconnected)
        'Set frmMain all
    controls on frmMain for state Disconnected
End Sub

Private Sub mnuConnectionDisconnect_Click()

```

```

On Error GoTo ErrorHandler:                                'Jump to ErrorHandler
in case of an error
    Screen.MousePointer = vbHourglass                      'Show hourglass mouse
pointer

    Con.Disconnect                                          'Disconnect from FM

    SetFormState (fsDisconnected)                          'Set frmMain all
controls on frmMain for state Disconnected
    Screen.MousePointer = vbDefault                        'Show default mouse
pointer
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault                        'Show default mouse
pointer
    ErrorHandler                                            'Handle errors (show
appropriate message) does usually not happen here
End Sub

'Executes appropriate mnuXxx_Click routine depending on the clicked
button

Private Sub tbToolBar_ButtonClick(ByVal Button As MSComctlLib.Button)
On Error Resume Next
    Select Case Button.Key
        Case "Interface"
            mnuSystemInterface_Click
        Case "Connect"
            mnuConnectionConnect_Click
        Case "Disconnect"
            mnuConnectionDisconnect_Click
        Case "Properties"
            mnuConfigProperties_Click
        Case "Settings"
            mnuConfigSettings_Click
        Case "Franking"
            mnuActionsFranking_Click
        Case "Counters"
            mnuActionsCounters_Click
        Case "DateTime"
            mnuActionsDateTime_Click
        Case "MailClass"
            mnuActionsMailClassAdjust_Click
        Case "TextToDisplay"
            mnuActionsTextToDisp_Click
        Case "About"
            mnuHelpAbout_Click
        Case Else
            MsgBox "Add ToolBar_ButtonClick code. " + Button.Key 'Unknown button
    End Select
End Sub

Private Sub mnuConfigProperties_Click()
    LoadfrmConfig 0                                          'Display tab
"Properties"
End Sub

Private Sub mnuConfigSettings_Click()
    LoadfrmConfig 1                                          'Display tab
"Settings"
End Sub

'Information is filled into the fields and window is opened

Private Sub LoadfrmConfig(nTab As Integer)
    Dim Config As New FMCTRLLib.FMConfig                    'Create an new

```

```

FMConfig object
On Error GoTo ErrorHandler:           'Jump to ErrorHandler
in case of an error
    Screen.MousePointer = vbHourglass 'Show hourglass mouse
pointer
    Config.ActiveConnection = fMainForm.Con 'Define the
connection to be used by Config

    With frmConfig
        'General information
        .lbFMType.Caption = FMTypeToString(Config.FMType) 'Read
and display FM Type
        .lbSerialNr.Caption = Config.SerialNr 'Read
and display Serial Number
        .lbFMSoftware.Caption = Config.FMSWVer 'Read
and display FM Software version
        If Config.AutoTaxFM Then 'If it is
a special Auto Tax app. (Japan)
            .lbApplication.Caption = "Auto Tax" 'Compose
the description of the appliction
            If Config.AcquisitonTaxAvailable Then 'Does the
Auto Tax app. support Acquisition Tax?
                .lbApplication.Caption = .lbApplication.Caption + "
with Acquisition Tax"
            End If
        Else 'Non Auto
Tax application
            .lbApplication.Caption = "Standard"
        End If

        'Print image
        .lbNrDecades.Caption = CStr(Config.DecadeNumber) 'Read
and display Number of Decade wheels
        .lbDecPos.Caption = CStr(Config.DecPointPosition) 'Read
and display position of the decimal point
        .lbFixZeros.Caption = CStr(Config.FixedZeros) 'Read
and display number of fixed zeros
        If Config.LastDecadeType = LD09 Then 'Read and
display type of the last Decade wheel
            .lbLastDecade.Caption = "0..9" 'Can be
all 0..9
        Else
            .lbLastDecade.Caption = "0/5" 'Can
only be 0 or 5
        End If
        .lbPrintImage.Caption = CreatePrintImage 'Compose
the print image (e.g. 99.99 or 99999900)

        'Information about the Base
        .lbBaseModel.Caption = BaseModelToString(Config.BaseModel)
'Read and display the Base model
        .lbBaseSoftware.Caption = Config.BaseSWVer
'Read and display Base software version

        'Features
        .lbAutoDate = BoolToYesNo(Config.AutoDate)
'Read and display whether FM has automatic date
        .lbMargin.Caption = BoolToYesNo(Config.MarginAvailable)
'Read and display whether margin is changable
        .lbNrMailClass.Caption = CStr(Config.SettableMailClasses)
'Read and display the number of available Mail Classes

        'Franking Modes
        .lbFrankModes = FrankModesToString 'Compose a
String containing a list of the available Franking Modes
    End With

```

```

        Screen.MousePointer = vbDefault           'Show default mouse
pointer
        Set Config = Nothing                     'Disassociate Config
object

        frmConfig.tabConfig.Tab = nTab           'Display the
appropriate tab
        frmConfig.Show vbModal, Me              'Show the window

    Exit Sub
ErrorHandler:
        Screen.MousePointer = vbDefault           'Show default mouse
pointer
        ErrorHandler                           'Handle errors (show
appropriate message)
        Set Config = Nothing                     'Disassociate Config
object
    End Sub

Private Sub mnuHelpAbout_Click()
    frmAbout.Show vbModal, Me
End Sub

Private Sub mnuSystemInterface_Click()
    frmInterface.Show vbModal, Me
End Sub

Private Sub mnuViewStatusBar_Click()
    mnuViewStatusBar.Checked = Not mnuViewStatusBar.Checked
    sbStatusBar.Visible = mnuViewStatusBar.Checked
End Sub

Private Sub mnuViewToolbar_Click()
    mnuViewToolbar.Checked = Not mnuViewToolbar.Checked
    tbToolBar.Visible = mnuViewToolbar.Checked
End Sub

Private Sub mnuFileExit_Click()
    Unload Me
End Sub

'Makes all the GUI elements appear in the appropriate way depending
on the FromState

Sub SetFormState(State As FORMSTATES)
    Dim Config As New FMCTRLLib.FMConfig           'Create an new
FMConfig object
    On Error GoTo ErrorHandler:                   'Jump to ErrorHandler
in case of an error

    Select Case State
        Case fsConnected
            Config.ActiveConnection = Con           'Define the
connection to be used by Config
            lbFMType.Caption = FMTypeToString(Config.FMType) 'Read and
display FM Type
            lbSerialNr.Caption = Config.SerialNr     'Read and display
Serial number
            Set Config = Nothing                     'Disassociate Config
object

            sbStatusBar.SimpleText = "Connected"     'Write to status bar

            mnuSystemInterface.Enabled = False       'Enable or disable
the GUI elements

```



```

mnuFileExit.Enabled = True
mnuConnectionConnect.Enabled = False
mnuConnectionDisconnect.Enabled = True
mnuConfigProperties.Enabled = True
mnuConfigSettings.Enabled = True
mnuActionsFranking.Enabled = True
mnuActionsCounters.Enabled = True
mnuActionsDateTime.Enabled = True
mnuActionsMailClassAdjust.Enabled = True
mnuActionsTextToDisp.Enabled = True
mnuViewToolBar.Enabled = True
mnuViewStatusBar.Enabled = True
mnuHelpAbout.Enabled = True
With tbToolBar
    .Buttons("Interface").Enabled = False
    .Buttons("Connect").Enabled = False
    .Buttons("Disconnect").Enabled = True
    .Buttons("Properties").Enabled = True
    .Buttons("Settings").Enabled = True
    .Buttons("Franking").Enabled = True
    .Buttons("Counters").Enabled = True
    .Buttons("DateTime").Enabled = True
    .Buttons("MailClass").Enabled = True
    .Buttons("TextToDisplay").Enabled = True
    .Buttons("About").Enabled = True
End With
Case fsDisconnected
    lbFMType.Caption = "(none)"
    lbSerialNr.Caption = "(none)"
    sbStatusBar.SimpleText = "Disconnected" 'Write to status bar

mnuSystemInterface.Enabled = True        'Enable or disable
the GUI elements
mnuFileExit.Enabled = True
mnuConnectionConnect.Enabled = True
mnuConnectionDisconnect.Enabled = False
mnuConfigProperties.Enabled = False
mnuConfigSettings.Enabled = False
mnuActionsFranking.Enabled = False
mnuActionsCounters.Enabled = False
mnuActionsDateTime.Enabled = False
mnuActionsMailClassAdjust.Enabled = False
mnuActionsTextToDisp.Enabled = False
mnuViewToolBar.Enabled = True
mnuViewStatusBar.Enabled = True
mnuHelpAbout.Enabled = True
With tbToolBar
    .Buttons("Interface").Enabled = True
    .Buttons("Connect").Enabled = True
    .Buttons("Disconnect").Enabled = False
    .Buttons("Properties").Enabled = False
    .Buttons("Settings").Enabled = False
    .Buttons("Franking").Enabled = False
    .Buttons("Counters").Enabled = False
    .Buttons("DateTime").Enabled = False
    .Buttons("MailClass").Enabled = False
    .Buttons("TextToDisplay").Enabled = False
    .Buttons("About").Enabled = True
End With
End Select

Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault        'Show default mouse
pointer
    ErrorHandler                            'Handle errors (show

```



VERSION 5.00

Begin VB.Form frmTextToDisplay

```
BorderStyle   = 3  'Fixed Dialog
Caption       = "Text to display"
ClientHeight  = 1440
ClientLeft    = 2760
ClientTop     = 3750
ClientWidth   = 5355
Icon          = "frmTextToDisplay.frx":0000
LinkTopic     = "Form1"
MaxButton     = 0  'False
MinButton     = 0  'False
ScaleHeight   = 1440
ScaleWidth    = 5355
ShowInTaskbar = 0  'False
StartupPosition = 1  'CenterOwner
```

Begin VB.TextBox txtStartPos

```
Alignment     = 1  'Right Justify
Height        = 285
Left          = 1200
MaxLength     = 2
TabIndex      = 1
Text          = "0"
Top           = 840
Width         = 375
```

End

Begin VB.TextBox txtText

BeginProperty Font

```
Name          = "Fixedsys"
Size           = 9
Charset        = 0
Weight         = 400
Underline      = 0  'False
Italic         = 0  'False
Strikethrough  = 0  'False
```

EndProperty

```
Height        = 375
Left          = 1200
MaxLength     = 32
TabIndex      = 0
Text          = " Ascom Mailsys
ToolTipText   = "Text to display"
Top           = 360
Width         = 3975
```

FM Control "

End

Begin VB.CommandButton cmdClose

```
Cancel        = -1  'True
Caption       = "Close"
Height        = 375
Left          = 3960
TabIndex      = 3
Top           = 960
Width         = 1215
```

End

Begin VB.CommandButton cmdSend

```
Caption       = "&Send"
Default       = -1  'True
Height        = 375
Left          = 2640
TabIndex      = 2
Top           = 960
Width         = 1215
```

End

Begin VB.Label Label5

```
Alignment     = 2  'Center
BackStyle     = 0  'Transparent
```

```

Caption      = "16"
Height       = 255
Left         = 3000
TabIndex     = 10
Top          = 0
Width        = 255
End
Begin VB.Line Line5
    X1        = 3120
    X2        = 3120
    Y1        = 240
    Y2        = 360
End
Begin VB.Label Label4
    Alignment  = 2 'Center
    BackStyle  = 0 'Transparent
    Caption    = "30"
    Height     = 255
    Left       = 4680
    TabIndex   = 9
    Top        = 0
    Width      = 255
End
Begin VB.Label Label3
    Alignment  = 2 'Center
    BackStyle  = 0 'Transparent
    Caption    = "20"
    Height     = 255
    Left       = 3480
    TabIndex   = 8
    Top        = 0
    Width      = 255
End
Begin VB.Label Label2
    Alignment  = 2 'Center
    BackStyle  = 0 'Transparent
    Caption    = "10"
    Height     = 255
    Left       = 2280
    TabIndex   = 7
    Top        = 0
    Width      = 255
End
Begin VB.Label Label1
    Alignment  = 2 'Center
    BackStyle  = 0 'Transparent
    Caption    = "1"
    Height     = 255
    Left       = 1200
    TabIndex   = 6
    Top        = 0
    Width      = 255
End
Begin VB.Line Line4
    X1        = 4780
    X2        = 4780
    Y1        = 240
    Y2        = 360
End
Begin VB.Line Line3
    X1        = 3600
    X2        = 3600
    Y1        = 240
    Y2        = 360
End
Begin VB.Line Line2

```

```

        X1          = 2400
        X2          = 2400
        Y1          = 240
        Y2          = 360
    End
    Begin VB.Line Line1
        X1          = 1320
        X2          = 1320
        Y1          = 240
        Y2          = 360
    End
    Begin VB.Label lbStartPos
        Alignment    = 1 'Right Justify
        Caption      = "Start Position:"
        Height       = 255
        Left         = 120
        TabIndex     = 5
        Top          = 900
        Width        = 975
    End
    Begin VB.Label lbText
        Alignment    = 1 'Right Justify
        Caption      = "Text:"
        Height       = 255
        Left         = 120
        TabIndex     = 4
        Top          = 420
        Width        = 975
    End
End
Attribute VB_Name = "frmTextToDisplay"
Attribute VB_GlobalNameSpace = False
Attribute VB_Creatable = False
Attribute VB_PredeclaredId = True
Attribute VB_Exposed = False
'frmTextToDisplay provides an interface to send a text to the
'FM that is written to its display

Option Explicit

Private Sub cmdClose_Click()
    Unload Me
End Sub

Private Sub cmdSend_Click()
    Dim Actions As New FMCTRLLib.FMActions 'Create an new
    FMActions object                      'Jump to
    On Error GoTo ErrorHandler:           'Show hourglass
    ErrorHandler in case of an error
    Screen.MousePointer = vbHourglass
    mouse pointer
    Actions.ActiveConnection = fMainForm.Con 'Define the
    connection to be used by Actions

    Actions.TextToDisplay txtText.Text, CInt(txtStartPos.Text)
'Display text on FM

    Screen.MousePointer = vbDefault 'Show default
mouse pointer
    Set Actions = Nothing 'Disassociate
Actions object
    Exit Sub
ErrorHandler:
    Screen.MousePointer = vbDefault 'Show default
mouse pointer
    ErrorHandler          'Handle errors

```

```
(show appropriate message)
      Set Actions = Nothing
Actions object
End Sub
```

```
Private Sub txtStartPos_GotFocus()  
    SelectAll txtStartPos  
text in the TextBox  
End Sub
```

```
Private Sub txtText_GotFocus()  
    SelectAll txtText  
text in the TextBox  
End Sub
```

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---



[SCC]

SCC=This is a source code control file

[FMCtrlDemo.vbp]

```
SCC_Project_Name=this project is not under source code control
```

```
SCC_Aux_Path=<This is an empty string for the mssccprj.scc file>
```

[illegible]



Type=Exe  
Reference=\*\G{00020430-0000-0000-C000-0000000000046}#2.0#0#C:\WINNT  
\System32\STDOLE2.TLB#OLE Automation  
Reference=\*\G{6B263850-900B-11D0-9484-00A0C91110ED}#1.0#0#C:\WINNT  
\System32\MSSTDFMT.DLL#Microsoft Data Formatting Object Library  
Reference=\*\G{853A99F1-9752-11D3-819E-0050048C727A}#1.0#0#..  
\FMCtrlLib\FMCtrl\Debug\FMCtrl\_d.exe#FMCtrl 1.0 Type Library  
Object={F9043C88-F6F2-101A-A3C9-08002B2F49FB}#1.2#0; comdlg32.ocx  
Object={831FDD16-0C5C-11D2-A9FC-0000F8754DA1}#2.0#0; Mscmctl.ocx  
Object={BDC217C8-ED16-11CD-956C-0000C04E4C0A}#1.1#0; Tabctl32.ocx  
Object={A8B3B723-0B5A-101B-B22E-00AA0037B2FC}#1.0#0; Grid32.OCX  
Module=Start; Start.bas  
Form=frmMain.frm  
Form=frmAbout.frm  
Form=frmConfig.frm  
Form=frmInterface.frm  
Form=frmCounters.frm  
Form=frmDateTime.frm  
Form=frmTextToDisplay.frm  
Form=frmMailClassAdjust.frm  
Form=frmFranking.frm  
Module=ErrorHnd; ErrorHandler.bas  
Module=Conversions; Conversions.bas  
IconForm="frmMain"  
Startup="Sub Main"  
HelpFile=""  
Title="FM Control User Application Demo"  
ExeName32="FMCtrlDemo.exe"  
Command32=""  
Name="FMCtrlDemo"  
HelpContextID="0"  
Description="Demonstrates the usage of the FM Control library."  
CompatibleMode="0"  
MajorVer=1  
MinorVer=2  
RevisionVer=0  
AutoIncrementVer=0  
ServerSupportFiles=0  
VersionComments="Demonstrates the usage of the FM Control library."  
VersionCompanyName="Ascom Autelca AG Mailing Systems, Switzerland"  
VersionFileDescription="Demonstrates the usage of the FM Control  
library."  
VersionProductName="FM Control User Application Demo"  
CompilationType=0  
OptimizationType=0  
FavorPentiumPro(tm)=0  
CodeViewDebugInfo=0  
NoAliasing=0  
BoundsCheck=0  
OverflowCheck=0  
FlPointCheck=0  
FDIVCheck=0  
UnroundedFP=0  
StartMode=0  
Unattended=0  
Retained=0  
ThreadPerObject=0  
MaxNumberOfThreads=1  
DebugStartupOption=0

```
Start = 197, 107, 828, 629, C
frmMain = 33, 7, 903, 748, I, 267, 58, 792, 463, C
frmAbout = -2, 6, 789, 751, C, 205, 209, 662, 560, C
frmConfig = 191, 3, 927, 732, C, 266, 42, 723, 480, C
frmInterface = 49, 13, 848, 535, C, 15, 29, 246, 208, C
frmCounters = 258, 28, 846, 626, C, 379, 4, 813, 271, C
frmDateTime = 330, 97, 910, 671, C, 535, 21, 785, 240, C
frmTextToDisplay = 27, 17, 838, 693, C, 377, 7, 783, 203, C
frmMailClassAdjust = 84, 16, 915, 643, I, 470, 10, 781, 192, C
frmFranking = 12, 8, 799, 703, C, 180, 116, 691, 496, C
ErrorHnd = 9, 9, 897, 651, C
Conversions = 71, 2, 830, 735, C
```